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As of 04/04/09 we support UMTS 3G / 3.xG / 4G/ LTE and CDMA2000(EV-DO) modems connected via the USB port or as mPCIe cards.

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## Supported Platforms

- ARM: Broadcom, Xscale, Storlink
- MIPS: Atheros 7xxx and 9xxx, Broadcom K26 and K3.x builds, Ralink
- Freescale P1
- X86
- X64 (x86\_64)

Direct ethernet protocol (currently only QMI) requires the router being able to run Linux 3.x and 8MB minimum flash memory. Routers with 4MB flash do only have support for the serial ppp dialup protocol. Support for other direct ethernet protocols may be included in the future for routers with at least 16MB flash.

## Non-Working Modems

Contact the developers via the community forum if your device is not working **AFTER** you have installed the **latest BETA build** and tested it. Give them the following info:

**usb vendor id, product id (vid:pid), and interface list** from the command line:

```
cat /sys/kernel/debug/usb/devices
```

## Supported Modems

This is **not** a complete list of supported devices, new modems are continuously being added. Your modem may still be working even if it is not listed here, install the **latest BETA build** and test it.

The mfgs model name is not a reliable way of identifying a modem, the same model name is often used on different markets but with a different modem internal firmware version.

The USB vendor and product id (vid:pid) are the main parameters to use when checking if a modem is supported or not supported.

WIP = Work In Progress

## Alcatel

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
AL300	Dodo AU	HSDPA 7.2 HSUPA 2.0	1bbb:f000	1bbb:0000	1	3	2	0	serial	
AL720	Dodo AU	HSDPA 7.2 HSUPA 5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch IK40V		LTE CAT4	1bbb:f000	1bbb:0195	-	-	2	-	rndis	<b>wip</b>
OneTouch L100V		LTE CAT3	1bbb:f000	1bbb:011e	1	3	2	0	serial & qmi	
OneTouch L100V		LTE CAT3	1bbb:f017	1bbb:011e	1	3	2	0	serial & qmi	
OneTouch L800		LTE CAT3	1bbb:f000	1bbb:0195	-	-	2	-	rndis	<b>wip</b>
OneTouch L800MA	Smart PH	LTE CAT3	1bbb:f017	1bbb:0203	0	1	3	-	serial & qmi	
OneTouch L850		LTE CAT3	1bbb:f000	1bbb:0195	-	-	2	-	rndis	<b>wip</b>
OneTouch X060S		HSDPA 3.6/0.38	1bbb:f000	1bbb:0000	1	3	2	0	serial	
OneTouch X070S		HSDPA 3.6/0.38	1bbb:f000	1bbb:0000	1	3	2	0	serial	
OneTouch X080C		CDMA EV-DO Rev.A	1bbb:00ca	1bbb:00ca	2	0	4	1	serial	generic
OneTouch X080S		HSDPA 3.6/0.38	1bbb:f000	1bbb:0000	1	3	2	0	serial	
OneTouch X085C		CDMA EV-DO Rev.A	1bbb:0012	1bbb:0012	2	0	4	1	serial	generic
OneTouch X090S		HSDPA 3.6/0.38	1bbb:f000	1bbb:0000	1	3	2	0	serial	
OneTouch X200		HSDPA 7.2 HSUPA 2.0	1bbb:f000	1bbb:0000	1	3	2	0	serial	
OneTouch X210D		HSDPA 7.2 HSUPA	1bbb:f017	1bbb:0017	3	5	4	0	serial	

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	5.76								
OneTouch X220D	HSDPA 7.2 HSUPA 5.76	1bbb:f017	1bbb:0017	3	5	4	0	serial	
OneTouch X220L	HSDPA 7.2 HSUPA 5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X220L	HSDPA 7.2 HSUPA 5.76	1bbb:f052	1bbb:0052	3	5	4	0	serial	
OneTouch X221L	HSDPA 7.2 HSUPA 5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X225S	HSDPA 7.2 HSUPA 5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X228L	HSDPA 7.2 HSUPA 5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X230E	HSDPA 7.2 HSUPA 5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X230L	HSDPA 7.2 HSUPA 5.76	1bbb:f017	1bbb:0017	3	5	4	0	serial	
OneTouch X232D	HSPA+ 21.6/5.76	1bbb:022c	1bbb:022c	2	1	-	0	serial	generic
OneTouch X300D	HSPA+ 14.4/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X310D	HSPA+ 14.4/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X310E	HSPA+ 14.4/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X500D	HSPA+ 21.6/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X500E	HSPA+ 21.6/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X500M	HSPA+ 21.6/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X500U	HSPA+ 21.6/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X515	DC-HSPA+ 28.8/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch X520	HSPA+ 21.6/5.76	1bbb:f000	1bbb:0017	3	5	4	0	serial	
OneTouch	HSPA+	1bbb:f000	1bbb:00b7	3	4		0	serial & ?	

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X600		21.6/5.76								
OneTouch X602D		HSPA+ 21.6/5.76	1bbb:022c	1bbb:022c	2	1	-	0	serial	generic
OneTouch X715		DC-HSPA+ 42.2/5.76	1bbb:f000	1bbb:0191						wip
OneTouch W800	Telekom DE	LTE CAT3	1bbb:f000	1bbb:0195	-	-	2	-	rndis	wip
Speedstick LTE II	Telekom DE	LTE CAT3	1bbb:f017	1bbb:011e	1	3	2	0	serial & qmi	
Speedstick LTE IV	Telekom DE	LTE CAT3	1bbb:f000	1bbb:0195	-	-	2	-	rndis	wip
XSStick W100	4G Systems	LTE CAT3	1bbb:f000	1bbb:011e	1	3	2	0	serial & qmi	

## AMOI

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
9508		Mobile phone	1614:0800	1614:0800		0				
H-01		HSDPA 7.2	1614:0800	1614:0800		0				
H-01A		HSDPA 7.2	1614:7002	1614:7002		0				
H-02			1614:0802	1614:0802		0				
U2000		HSDPA 7.2	1614:0800	1614:0800		0				

## Anydata

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
A2502	Docomo JP	HSDPA 7.2	16d5:6202	16d5:6202	2	0	-	1	serial	
ADU-300A		CDMA EV-DO	16d5:6501	16d5:6501	1	0	-		serial	
ADU-310A		CDMA EV-DO	16d5:6501	16d5:6501	1	0	-		serial	
ADU-500A		CDMA EV-DO	05c6:1000	16d5:6502	2	0	-	1	serial	
ADU-510A		CDMA EV-DO	05c6:1000	16d5:6502	2	0	-	1	serial	
ADU-510L		CDMA EV-DO	05c6:1000	16d5:6502	2	0	-	1	serial	

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ADU-520A		CDMA 1x EV-DO Rev.A	05c6:1000	16d5:6502	2	0	-	1	serial	
ADU-520C		CDMA 1x EV-DO Rev.A	05c6:6503	16d5:6502	2	0	-	1	serial	
ADU-555C	MTS	CDMA 1x EV-DO Rev.A	16d5:6502	16d5:6502	2	0	-	1	serial	
ADU-620UW		HSDPA 7.2	16d5:6202	16d5:6202	2	0	-	1	serial	
ADU-635WA		CDMA EV-DO & HSDPA	16d5:6202 16d5:6502	16d5:6202 16d5:6502		0	-		serial	
ADU-890WH		CDMA EV-DO & HSDPA	16d5:f000	16d5:6603		0	-		serial	generic
APE-540H		CDMA 1x EV-DO Rev.A	05c6:6503	16d5:6502	2	0	-	1	serial	expresscar
Z020	Zapp RO	CDMA EV-DO	16d5:6501	16d5:6501	1	0	-		serial	

## Axisstel

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
MU130		HSDPA 7.2 HSUPA 5.76	1726:f00e	1726:a000		3	4		serial	generic
MV110H		CDMA2000 1xEV-DO	1726:1000	1726:1000		0		1	serial	
MV210		CDMA2000 1xEV-DO	1726:1900	1726:1000		0		1	serial	

## Bandrich

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
C100		HSDPA 7.2/0.38	1a8d:1000	1a8d:1001	-	-	0	-	ecm	wip
C100		HSDPA 7.2/0.38	1a8d:1000	1a8d:1002	2	1	0		serial	

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C100		HSDPA 7.2/0.38	1a8d:1000	1a8d:1003	1	0			serial	
C120		HSDPA 7.2/0.38	1a8d:1000	1a8d:1001	-	-	0	-	ecm	wip
C120		HSDPA 7.2/0.38	1a8d:1000	1a8d:1002	2	1	0		serial	
C170		HSDPA 3.6/0.38	1a8d:1000	1a8d:1009	2	0		1	serial	
C177	Movistar PER	HSDPA 3.6/0.38	1a8d:1000	1a8d:1009	2	0		1	serial	
C178	Telsec BR	HSDPA 3.6/0.38	1a8d:1000	1a8d:1009	2	0		1	serial	
C179	Singtel	HSDPA 3.6/0.38	1a8d:1000	1a8d:1009	2	0		1	serial	
C180		HSDPA 3.6/0.38	1a8d:1000	1a8d:1009	2	0		1	serial	
C209		HSDPA 7.2/0.38	1a8d:1000	1a8d:1002	2	1	0		serial	
C270		HSDPA 7.2 HSUPA 5.76	1a8d:1000	1a8d:1007	2	0		1	serial	
C278	Cellcom	HSDPA 3.6/0.38	1a8d:1000	1a8d:1009	2	0		1	serial	
C320		HSPA+ 21.6/5.76	1a8d:1000	1a8d:100c	2	0	5	1	serial & ecm	
C321		HSPA+ 21.6/5.76	1a8d:1000	1a8d:100d	2	0	5	1	serial & ecm	
C330		HSPA+ 21.6/5.76	1a8d:2000	1a8d:2006		1	7		acm	
C331		HSPA+ 21.6/5.76	1a8d:2000	1a8d:2006		1	7		acm	
C339		HSPA+ 21.6/5.76	1a8d:2000	1a8d:2006		1	7		acm	
C360		DC-HSPA+ 28.8/5.76	1a8d:	1a8d:						wip
C370		DC-HSPA+ 28.8/5.76	1a8d:	1a8d:						wip
C500		LTE CAT3	1a8d:1000	1a8d:100d	2	0	5	1	serial & ecm	
C501		LTE CAT3	1a8d:1000	1a8d:100d	2	0	5	1	serial & ecm	
C502		LTE CAT3	1a8d:1000	1a8d:100d	2	0	5	1	serial & ecm	
C505		LTE CAT3	1a8d:1000	1a8d:100d	2	0	5	1	serial & ecm	
C506		LTE CAT3	1a8d:1000	1a8d:100d	2	0	5	1		



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									serial & ecm	
C508		LTE CAT3	1a8d:1000	1a8d:100d	2	0	5	1	serial & ecm	
M150		HSDPA 7.2/0.38	1a8d:1000	1a8d:	2	1	0		serial	mPCIe
M152		HSDPA 7.2/0.38	1a8d:1000	1a8d:	2	1	0		serial	mPCIe
M250		HSDPA 7.2 HSUPA 2.0	1a8d:1008	1a8d:1008	2	0		1	serial	mPCIe
M280		HSDPA 7.2 HSUPA 5.76	1a8d:	1a8d:	2	0		1	serial	mPCIe
M290		HSDPA 7.2 HSUPA 5.76	1a8d:	1a8d:	2	0		1	serial	mPCIe
M300		HSPA+ 21.6/5.76	1a8d:	1a8d:						mPCIe
M310		HSPA+ 21.6/5.76	1a8d:	1a8d:						mPCIe
M500		LTE CAT3	1a8d:	1a8d:						mPCIe
PHS101	Prolink	HSDPA 3.6/0.38	1a8d:1000	1a8d:1007	2	0		1	serial	

Basecom

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
3GU	A-Link	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	
3GU	A-Link	HSDPA 3.6/0.38	1e0e:f000	1e0e:9100	1	3	2	0	serial	
3GU	A-Link	HSDPA 3.6/0.38	1e0e:f000	1e0e:9200	1	3	2	0	serial	
DWM-151	D-Link	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	
DWM-162 C1	D-Link	CDMA EV-DO	2077:1000	1e0e:ce17	1	2	3	0	serial	generic
DWM-162R	D-Link	CDMA EV-DO	05c6:2001	1e0e:ce16	1	2	3	0	serial	
DWM-162U5	D-Link	CDMA EV-DO	05c6:2001	1e0e:ce16	1	2	3	0	serial	
DWM-162U5 A1	D-Link	CDMA EV-DO	05c6:2001	1e0e:ce1e	1	2	3	0	serial	

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E-G05	Promate	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	
EM600	Simcom	CDMA EV-DO	05c6:2001	1e0e:cefe	1	2	3	0	serial	generic
Icon 210	Option	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	
Icon 210	Option	HSDPA 3.6/0.38	1e0e:f000	1e0e:9200	1	3	2	0	serial	
MMX 300C	Micromax	CDMA EV-DO	05c6:2001	1e0e:ce16	2	0	1		serial	
MMX 300C	Micromax	CDMA EV-DO	05c6:2001	1e0e:cefe	1	2	3	0	serial	generic
MUB417Q	Bointec	HSDPA 3.6/0.38	1e0e:f000	1e0e:9200	1	3	2	0	serial	
Mywave29	Mywave IT	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	
PEM330	Prolink	HSDPA 7.2/5.76	1e0e:f000	1e0e:9a00	1	2	-	0	serial (&qmi)	mPCIe
PHS100	Prolink	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	
PHS300	Prolink	HSDPA 3.6/0.38	1e0e:f000	1e0e:9100	1	3	2	0	serial	
SIM7100	SimTech	LTE CAT3	1e0e:9001	1e0e:9001	2	3	-	0	serial & qmi	mPCIe
SU-7000U	SpeedUP	CDMA EV-DO	05c6:2001	1e0e:ce28	1	2	3	0	serial	
SU-8100U	SpeedUP	HSDPA 3.6/0.38	1e0e:f000	1e0e:9000	1	3	2	0	serial	

## Broadmobi

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comm
3.75G-72	iBall	HSDPA 7.2 HSUPA 5.76	2020:0002	2020:2000	1	0	2	-	serial	generic
82GH	VisionTek	HSDPA 7.2 HSUPA 5.76	2020:f00e	2020:1008	1	3	4	0	serial	generic
ASB W720	Alcatel-Lucent	HSDPA 3.6	2020:f00e	2020:1005	1	3	4	0	serial	generic
BG64	Beetel		2020:0002	2020:2000	1	0	2	-	serial	generic

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		HSDPA 7.2 HSUPA 5.76								
CKE-690U	Unicom	HSDPA 3.6	2020:f00e	2020:1005	1	3	4	0	serial	generic
MMX 377G	Micromax	HSPA+ 14.4/5.76	2020:0002	2020:4010	3	2	6	5	serial & mbim	generic
Olicard 300	Olivetti	HSPA+ 21.6/5.76	2020:0002	2020:4000	3	2	6	5	serial & mbim	generic
Olicard 600	Olivetti	LTE CAT3	2020:2030	2020:2031	2	1	5	0	serial & qmi	
RE270	Multilaser	HSDPA 7.2 HSUPA 5.76	2020:0002	2020:2000	1	0	2	-	serial	generic
Sense R41	Rostelecom	HSPA+ 21.6/5.76	2020:0002	2020:4000	3	2	6	5	serial & mbim	generic
SU-8000U	SpeedUP	HSDPA 3.6	2020:f00f	2020:1005	1	3	4	0	serial	generic
SU-9300U	SpeedUP	HSDPA 7.2 HSUPA 5.76	2020:f00e	2020:1008	1	3	4	0	serial	generic
TSU240	Gainwise	HSDPA 3.6	2020:f00f	2020:1005	1	3	4	0	serial	generic
U1-TF	CSL	HSDPA 3.6	2020:f00e	2020:1005	1	3	4	0	serial	generic
U2-TF	CSL	HSDPA 3.6	2020:f00f	2020:1005	1	3	4	0	serial	generic
V-MW100	Olive Telecom	HSDPA 7.2 HSUPA 5.76	2020:f00e	2020:1008	1	3	4	0	serial	generic

**Cmotech**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
BP3-USB	Maxon	HSDPA 7.2/0.38	16d8:6280	16d8:6280	-	1	-	2	serial & qmi	
BP3-EXT	Maxon	HSDPA 7.2/0.38	16d8:6280	16d8:6280	-	1	-	2	serial & qmi	
CBU-450D	SK	HSDPA	16d8:700b	16d8:700b					ndis ?	<b>wip</b>

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	Korea	7.2 HSUPA 5.76								
CCM-650		CDMA 1x EV-DO	16d8:	16d8:		0		2	acm	wip
CCU-550		CDMA 1x EV-DO	16d8:5533	16d8:5533		0	-	2	acm	
CCU-650		CDMA 1x EV-DO	16d8:6532	16d8:6532		0	-	2	acm	
CCU-650U		CDMA 1x EV-DO	16d8:6523	16d8:6523		0	-	2	acm	
CCU-670	Viettel	CDMA 1x EV-DO	16d8:	16d8:						wip
CCU-680	CAT TH	CDMA 1x EV-DO Rev.A	16d8:6803	16d8:6803	-	0	3&4	1	serial	
CCU-700			16d8:4000	16d8:4000						wip
CDM-650		CDMA 1x EV-DO	16d8:	16d8:		0		2	acm	wip
CDU-550		CDMA 1x EV-DO	16d8:5553	16d8:5553		0	-	2	acm	
CDU-650		CDMA 1x EV-DO	16d8:6522	16d8:6522		0		2	acm	
CDU-680		CDMA 1x EV-DO Rev.A	16d8:6803	16d8:6803	-	0	3&4	1	serial	
CDU-685A		CDMA 1x EV-DO Rev.A	16d8:6804	16d8:6804		1		2	serial	
CGU-628		HSDPA 7.2/0.38	16d8:6281	16d8:6281	2	0	4	1	serial	
CGU-628A	Franklin	HSDPA 7.2/0.38	16d8:f000	16d8:6006	1	0		2	serial	
CGU-629		HSDPA 7.2 HSUPA 5.76	16d8:7006	16d8:7006	0	4	3	1	serial & qmi	
CGU-629C		HSDPA 7.2 HSUPA 5.76	16d8:7006	16d8:7006	0	4	3	1	serial & qmi	
CGU-629S	SK Korea	HSDPA 7.2 HSUPA 5.76	16d8:	16d8:						wip
CHE-628		HSDPA 7.2/0.38	16d8:	16d8:						wip module

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CHE-628S		HSDPA 7.2/0.38	16d8:6007	16d8:6007	-	1	-	2	serial & qmi	module
CHM-628		HSDPA 7.2/0.38	16d8:6280	16d8:6280	-	1	-	2	serial & qmi	
CHS-628		HSDPA 7.2/0.38	16d8:6280	16d8:6280	-	1	-	2	serial & qmi	
CHU-628		HSDPA 7.2/0.38	16d8:6280	16d8:6280	-	1	-	2	serial & qmi	
CHU-628S	SK Korea	HSDPA 7.2/0.38	16d8:6281	16d8:6281	2	0	4	1	serial	
CHU-629K	KT Korea	HSDPA 7.2 HSUPA 5.76	16d8:7003	16d8:7003	0	3	2	1	serial & qmi	
CHU-629S	SK Korea	HSDPA 7.2 HSUPA 5.76	16d8:700a	16d8:700a	1	3	2	0	serial & qmi	
CHU-720S	SK Korea	HSDPA 7.2 HSUPA 5.76	16d8:7001	16d8:7001	-	1	-	2	serial & qmi	
CHU-720I		HSDPA 7.2 HSUPA 5.76	16d8:7211	16d8:7211	3	1	4	2	serial & qmi	
CMU-300	Franklin	CDMA 1x EV-DO Rev.A	16d8:6002	16d8:6002	-	0	-	1	serial	
CMU-301	Franklin	CDMA 1x EV-DO Rev.A	16d8:6008	16d8:6008	3	1	-	2	serial & qmi	
CNM-650		CDMA 1x EV-DO	16d8:6533	16d8:6533	1	0		2	acm	
CNM-680		CDMA 1x EV-DO Rev.A	16d8:6803	16d8:6803	-	0	3&4	1	serial	
CNU-510		CDMA 1x EV-DO	16d8:5141	16d8:5141			-		acm	
CNU-550		CDMA 1x EV-DO	16d8:5543	16d8:5543		0	-	2	acm	
CNU-650		CDMA 1x EV-DO	16d8:6543	16d8:6543	1	0		2	acm	
CNU-680		CDMA 1x EV-DO Rev.A	16d8:6803	16d8:680a			5&6		acm	
CNU-680E			16d8:6002	16d8:6002	-	0	-	1	serial	

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		CDMA 1x EV-DO Rev.A							
XSStick W12	4G Systems	HSDPA 7.2/0.38	16d8:f000	16d8:6006	1	0		2	serial

## Curitel (Pantech)

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comment
P4200	Beemo	LTE CAT 3	106c:3b14	106c:3721		0	6	2	acm & qmi	
UM-150	Verizon	EV-DO Rev.A	106c:3711	106c:3711		0	3		acm	
UM-175VW	Verizon	EV-DO Rev.A	106c:3714	106c:3714		0	3		acm	
UM-175AL	AllTel	EV-DO Rev.A	106c:3b03	106c:3715	2	0	3	1	acm	
UM-185C	Cricket	CDMA 1xEV?DO	106c:3b06	106c:3717		0			acm	
UM-185E	AllTel	CDMA 1xEV?DO	106c:3b06	106c:3717		0			acm	
UM-190VW	Verizon	CDMA 1xEV?DO	106c:3b05	106c:3716		0	5		acm	
UML-290VW	Verizon	CDMA 1xEV?DO	106c:3b11	106c:3718		0	6	2	acm & qmi	
UMW-190	Verizon	CDMA 1xEV?DO	106c:3b06	106c:3717		0			acm	

## Dell

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
5500		HSDPA 1.8/0.38	413c:8115	413c:8115	1	0		2	serial	mPCIe
5505		HSDPA 1.8/0.38	413c:8116	413c:8116	1	0		2	serial	mPCIe
5510		HSDPA 3.6/0.38	413c:8118	413c:8118	1	0		2	serial	expresscard
5520	Cingular	HSDPA 7.2/0.38	413c:8136	413c:8136	1	0		2	serial	mPCIe
5520	Vodafone		413c:8137	413c:8137	1	0		2	serial	mPCIe

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		HSDPA 7.2/0.38								
5520	Vodafone	HSDPA 7.2/0.38	413c:8138	413c:8138	1	0		2	serial	mPCIe
5530	Vodafone	HSDPA 7.2 HSUPA 2.0	413c:8147	413c:8147					acm (&ecm)	mPCIe
5540		HSDPA 7.2 HSUPA 2.0	413c:8183	413c:8183					acm (&ecm)	mPCIe
5540		HSDPA 7.2 HSUPA 2.0	413c:8184	413c:8184					acm (&ecm)	mPCIe
5541		HSDPA 7.2 HSUPA 2.0	413c:818b	413c:818b					acm (&ecm)	mPCIe
5542		HSDPA 7.2 HSUPA 2.0	413c:818c	413c:818c					acm (&ecm)	mPCIe
5550		HSDPA 21.6 HSUPA 5.76	413c:818d	413c:818d					acm (&ncm)	mPCIe
5560		HSDPA 21.6 HSUPA 5.76	413c:818e	413c:818e					acm (&ecm)	mPCIe
5570		DC-HSPA+ 42.2/11.5	413c:81a3	413c:81a3					qmi (&mbim)	mPCIe
5570e		DC-HSPA+ 42.2/11.5	413c:81a4	413c:81a4					qmi (&mbim)	M.2 NGFF
5600		CDMA EV-DO & HSPA	413c:8172	413c:8172	1	2	-	0	serial & qmi	mPCIe
5620		HSDPA	413c:8186	413c:8186	1	0			serial & qmi	mPCIe
5630		CDMA EV-DO & HSPA	413c:8194	413c:8194	1	0			serial & qmi	mPCIe
5700		CDMA EV-DO	413c:8114	413c:8114	1	0		2	serial	mPCIe
5700		CDMA EV-DO	413c:8117	413c:8117	1	0		2	serial	expresscard
5700	Sprint	CDMA EV-DO	413c:8128	413c:8128	1	0			serial	mPCIe
5700	Telus	CDMA EV-DO	413c:8129	413c:8129	1	0			serial	mPCIe
5720	Verizon	EV-DO Rev.A	413c:8133	413c:8133	1	0	-	2	serial	mPCIe
5720	Sprint	EV-DO Rev.A	413c:8134	413c:8134	1	0		2	serial	mPCIe
5720	Telus		413c:8135	413c:8135	1	0		2	serial	mPCIe

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		EV-DO Rev.A								
5730	Sprint	EV-DO Rev.A	413c:8180	413c:8180	1	0			serial	mPCIe
5730	Telus	EV-DO Rev.A	413c:8181	413c:8181	1	0			serial	mPCIe
5730	Verizon	EV-DO Rev.A	413c:8182	413c:8182	1	0			serial	mPCIe
5800	Verizon	LTE CAT3	413c:8195	413c:8195	1	0			serial & qmi	mPCIe
5800v2	Verizon	LTE CAT3	413c:8196	413c:8196	1	0			serial & qmi	mPCIe
5804	Verizon	LTE CAT3	413c:819b	413c:819b	1	0			serial & qmi	mPCIe
5806	AT&T	LTE CAT3	413c:81a2	413c:81a2	2	3	-	0	qmi (&mbim)	minicard
5808		LTE CAT4	413c:81a8	413c:81a8	2	3	-	0	qmi (&mbim)	mPCIe
5808e		LTE CAT4	413c:81a9	413c:81a9	2	3	-	0	qmi (&mbim)	M.2 NGFF
5809e		LTE CAT4	413c:81b1	413c:81b1	2	3	-	0	qmi (&mbim)	M.2 NGFF
5809e		LTE CAT4	413c:81b3	413c:81b3	2	3	-	0	qmi (&mbim)	M.2 NGFF
5811e		LTE CAT6	413c:81b6	413c:81b6	2	3	-	0	qmi (&mbim)	M.2 NGFF
5811e		LTE CAT6	413c:81b8	413c:81b8	2	3	-	0	qmi (&mbim)	M.2 NGFF

D-Link

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
DWM-151 A1		HSDPA 3.6/0.38	07d1:f000	07d1:7e07	1	3		0	serial	generic
DWM-152 A1		HSDPA 3.6/0.38	07d1:a800	07d1:3e01	2	0	4	1	serial	
DWM-152 A3		HSDPA 7.2 HSUPA 5.76	07d1:a804	07d1:7e11	1	3	2	0	serial	
DWM-152 C1		HSDPA 3.6/0.38	07d1:a800	07d1:3e01	2	0	4	1	serial	
DWM-156 A1		HSDPA 7.2 HSUPA 5.76	07d1:a800	07d1:3e02	2	0	4	1	serial	
DWM-156 A2		HSDPA 7.2 HSUPA	07d1:a800	07d1:7e0c	2	0		1	serial	generic



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		5.76								
DWM-156 A3		HSDPA 7.2 HSUPA 5.76	07d1:a804	07d1:7e11	1	3	2	0	serial	
DWM-156 A5		HSDPA 7.2 HSUPA 5.76	2001:a80b	2001:7d00	0	0	2	1	serial	generic
DWM-156 A6		HSDPA 7.2 HSUPA 5.76	2001:a80b	2001:7d00	0	0	2	1	serial	generic
DWM-156 A7		HSPA+ 14.4/5.76	2001:a706	2001:7d01	3	2	6		serial & mbim	
DWM-156 A8		HSPA+ 14.4/5.76	2001:a403	2001:7d0b	3	2	6		serial & mbim	generic
DWM-156 A8		HSPA+ 14.4/5.76	2001:a40a	2001:7d10	3	2	6		serial & mbim	generic
DWM-156 A9		HSPA+ 14.4/5.76	2001:	2001:7d11	3	2	6		serial & mbim	generic
DWM-156 C1		HSPA+ 14.4/5.76	07d1:a800	07d1:3e02	2	0	4	1	serial	
DWM-157 A1		HSPA+ 21.6/5.76	2001:a809	2001:7900	1	3			serial	generic
DWM-157 B1		HSPA+ 21.6/5.76	2001:00a6	2001:7d02	3	2	6		serial & mbim	
DWM-157 B1		HSPA+ 21.6/5.76	2001:a707	2001:7d02	3	2	6		serial & mbim	
DWM-157 C1		HSPA+ 21.6/5.76	2001:00a7	2001:7d0e	3	2	6		serial & mbim	
DWM-157 C1		HSPA+ 21.6/5.76	2001:a407	2001:7d0e	3	2	6		serial & mbim	
DWM-157 D1		HSPA+ 21.6/5.76	2001:7600	2001:7600	2	1	3	0	serial	generic
DWM-158 B1		HSDPA 7.2 HSUPA 5.76	07d1:a804	07d1:7e11	1	3	2	0	serial	
DWM-158 D1		DC-HSPA+ 42.2/11.5	2001:a708	2001:7d03	3	2	6		serial & mbim	
DWM-167 A1		CDMA EV-DO	2001:a405	2001:7d0d	3	2	6		serial & mbim	generic
DWM-221 A1		LTE CAT3	2001:98ff	2001:7e16					serial & qmi	generic
DWM-221 B1		LTE CAT3	2001:a401	2001:7e19	2	1	5	0	serial & qmi	
DWM-221 B1	Vivo BR	LTE CAT3	2001:a406	2001:7e19	2	1	5	0	serial & qmi	
		LTE CAT4	2001:ab00	2001:7e35	2	1	5	0	serial & qmi	

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DWM-222 A1										
DWM-222 A2	LTE CAT4	2001:ac01	2001:7e3d	2	1	5	0	serial & qmi	generic	
DWP-156 A1	HSPA+ 14.4/5.76	2001:a706	2001:7d01	3	2	6		serial & mbim		
DWP-156 B1	HSPA+ 14.4/5.76	2001:a403	2001:7d0b	3	2	6		serial & mbim	generic	
DWP-157 A1	HSPA+ 21.6/5.76	2001:a707	2001:7d02	3	2	6		serial & mbim		
DWP-157 B1	HSPA+ 21.6/5.76	2001:a403	2001:7d0c	3	2	6		serial & mbim	generic	
DWP-157 C1	HSPA+ 21.6/5.76	2001:7600	2001:7600	2	1	3	0	serial	generic	
DWP-157 D1	HSPA+ 21.6/5.76	2001:a407	2001:7d0e	3	2	6		serial & mbim		
DWR-510 A1	HSDPA 7.2 HSUPA 5.76	2001:a805	2001:7e12					serial	wip	
DWR-710 B1	HSPA+ 21.6/5.76	2001:7d09	2001:7d09	-	-	2	-	rndis & ecm	wip	
DWR-730 B1	HSPA+ 21.6/5.76	2001:7d05	2001:7d05	-	-	2	-	rndis	wip	
DWR-730 B2	HSPA+ 21.6/5.76	2001:7d13	2001:7d13	-	-	2	-	rndis	wip	
DWR-830 A1	DC-HSPA+ 42/11.5	2001:7d06	2001:7d06					rndis	wip	
DWR-910 B1	LTE CAT3		2001:7e18	-	-	2	-	rndis & ecm	wip	
DWR-910 D1	LTE CAT3	2001:a40d	2001:7e38	-	-	2	-	rndis & ecm	wip	
DWR-932 D1	LTE CAT4	2001:	2001:7e36					rndis & ecm	wip	

**Ericson**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comment
F3307		HSDPA 7.2 HSUPA 2.0	0bdb:1909	0bdb:1909	0	1	-		acm	mPCIe
F3307		HSDPA 7.2	0bdb:190a	0bdb:190a	0	1	-		acm	mPCIe

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		HSUPA 2.0							
F3307		HSDPA 7.2 HSUPA 2.0	0bdb:190e	0bdb:190e	0	1	-	acm	mPCIe
F3307		HSDPA 7.2 HSUPA 2.0	0bdb:190f	0bdb:190f	0	1	-	acm	mPCIe
F3507g	Lenovo	HSDPA 7.2 HSUPA 2.0	0bdb:1900	0bdb:1900	0	1	-	acm	mPCIe
F3507g		HSDPA 7.2 HSUPA 2.0	0bdb:1902	0bdb:1902	0	1	-	acm	mPCIe
F3607gw		HSDPA 7.2 HSUPA 2.0	0bdb:1904	0bdb:1904	0	1	-	acm	mPCIe
F3607gw	Lenovo	HSDPA 7.2 HSUPA 2.0	0bdb:1905	0bdb:1905	0	1	-	acm	mPCIe
F3607gw		HSDPA 7.2 HSUPA 2.0	0bdb:1906	0bdb:1906	0	1	-	acm	mPCIe
F3607gw	Lenovo	HSDPA 7.2 HSUPA 2.0	0bdb:1907	0bdb:1907	0	1	-	acm	mPCIe
F5321gw		HSPA+ 21.6/5.76	0bdb:1917	0bdb:1917	0	1	-	acm (& ncm)	mPCIe
F5321w		HSPA+ 21.6/5.76	0bdb:191b	0bdb:191b	0	1	-	acm (& ncm)	mPCIe
F5521gw		HSPA+ 21.6/5.76	0bdb:190d	0bdb:190d	0	1	-	acm (& ncm)	mPCIe
F5521gw		HSPA+ 21.6/5.76	0bdb:1910	0bdb:1910	0	1	-	acm (& ncm)	mPCIe
H5321gw		HSPA+ 21.6/5.76	0bdb:1919	0bdb:1919	0	1	-	acm (& ncm)	mPCIe
H5321gw	Lenovo	HSPA+ 21.6/5.76	0bdb:1926	0bdb:1926	0	1	-	acm (&ncm&mbim)	mPCIe
H5321w			0bdb:191d	0bdb:191d	0	1	-	acm (& ncm)	mPCIe

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		HSPA+ 21.6/5.76								
N5321gw	Lenovo	HSPA+ 21.6/5.76	0bdb:193e	0bdb:193e	0	1	-		acm (&ncm&mbim)	M.2 NGFF
N5321gw	Generic	HSPA+ 21.6/5.76	0bdb:1940	0bdb:1940	0	1	-		acm (&ncm&mbim)	M.2 NGFF

## Franklin Wireless

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
U210	Sprint	CDMA EV-DO Rev.A	1fac:0032	1fac:0032					acm	
U600	Sprint	CDMA EV-DO Rev.A	1fac:0150	1fac:0151					acm	
U700	Sprint		1fac:0232	1fac:0232					rndis	<b>wip</b>

## Global VR

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
Aircard 901		HSDPA	1ab7:5700	1ab7:2000		0			serial	generic
DTM5730		HSDPA	1ab7:5700	1ab7:5730	3	1		0	serial	generic
DTM5731	Hummer	HSDPA	1ab7:5700	1ab7:5731	3	1		0	serial	generic
LC5740	Leadcore	HSDPA	1ab7:5700	1ab7:5731	0	3		1	serial	generic

## Haier

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
CE81B	Smartfren	CDMA EV-DO Rev.A	05c6:f000	201e:10f8	2	3	4	0	serial	
CE100		CDMA EV-DO Rev.A	201e:2009	201e:2009	2	0	3	1	serial	
CE210		CDMA EV-DO Rev.A	201e:2009	201e:2009	2	0	3	1	serial	

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CE682	Smartfren	CDMA EV-DO Rev.A	201e:1023	201e:1022	1	0	3		serial	generic
CE782	Smartfren	CDMA EV-DO Rev.A	201e:1023	201e:1022	1	0	3		serial	generic
V-ME101	Olive Telecom	CDMA EV-DO Rev.A	201e:2009	201e:2009	2	0	3	1	serial	
V-ME110	Olive Telecom	CDMA EV-DO Rev.A	201e:2009	201e:2009	2	0	3	1	serial	

## Hojoy

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
EDGE 733	Hojoy	CDMA EV-DO	1dbc:8005	1dbc:8005					acm	
MD950	Vodafone	CDMA EV-DO	1dbc:0005	1dbc:0005					acm	
MMX 354G	Micromax	HSDPA 7.2 HSUPA 5.76	1dbc:0669	1dbc:0669					acm	
MMX 355G	Micromax	HSDPA 7.2 HSUPA 5.76	1dbc:0669	1dbc:0669					acm	

## HP

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
ev2200		CDMA 1X, EV-DO	03f0:1b1d	03f0:1b1d	3	4	-	-	sierra	mPCIe
ev2210		CDMA 1X, EV-DO	03f0:211d	03f0:211d	3	4	-	-	sierra	mPCIe
hs2300		HSDPA 3.6/0.38	03f0:1e1d	03f0:1e1d	0	2	-	-	sierra	mPCIe
hs2320		HSPA+ 7.2/5.76	03f0:261d	03f0:261d	1	0	-	2	acm & ecm	mPCIe

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hs2330		HSPA+ 7.2/5.76	03f0:271d	03f0:271d	1	0	-	2	acm & ecm	mPCIe
hs2340		HSPA+ 21.6/5.76	03f0:3a1d	03f0:3a1d	1	0	-	2	acm & ncm	mPCIe
hs2340		HSPA+ 21.6/5.76	03f0:451d	03f0:451d	1	0	-	2	acm & ncm	mPCIe
hs2350		HSPA+ 21.6/5.76	03f0:3d1d	03f0:3d1d	1	0	-	2	acm & ncm	mPCIe
hs2434		HSPA+ 14.4/5.76	03f0:4b1d	03f0:4b1d	3	2	-	1	serial (& qmi) & mbim	mPCIe
hs3110		HSPA+ 21.6/5.76	03f0:521d	03f0:521d	1	0	-	2	serial & ecm & mbim	M.2 NGFF
hs3114		HSPA+ 21.6/5.76	03f0:541d	03f0:541d	1	0	-	2	serial & ecm & mbim	minicard
lc2000		HSPA+ 7.2/5.76	03f0:301d	03f0:301d	1	0	-	2	acm & ecm	mPCIe
lc2010		HSPA+ 7.2/5.76	03f0:2f1d	03f0:2f1d	1	0	-	2	acm & ecm	mPCIe
lt2522	Verizon	LTE CAT3	03f0:411d	03f0:411d	2	0	-	1	serial (& qmi)	mPCIe
lt2523	AT&T	LTE CAT3	03f0:421d	03f0:421d	2	0	-	1	serial & qmi	mPCIe
lt4111		LTE CAT3	03f0:4e1d	03f0:4e1d	2	3	-	0	serial & qmi & mbim	M.2 NGFF
lt4112		LTE CAT3	03f0:581d	03f0:581d	0	2	-	1	serial & qmi & mbim	M.2 NGFF
lt4132		LTE CAT4	03f0:a31d	03f0:a31d	2	0	-	1	serial & ecm & mbim	M.2 NGFF <b>wip</b>
un2400		HSDPA 7.2 HSUPA 2.1	03f0:1f1d	03f0:1f1d	0	2	-	1	serial & qmi	mPCIe
un2420		HSDPA 7.2 HSUPA 5.76	03f0:251d	03f0:251d	3	2	-	1	serial & qmi	mPCIe
un2430		HSPA+ 14.4/5.76	03f0:371d	03f0:371d	3	2	-	1	serial & qmi & mbim	mPCIe

**Huawei**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)
B81	M-Budget SW	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
D01HW	E-Mobile JP	HSDPA 3.6/0.38	12d1:1003	12d1:1003	1	0	2	-	serial
D02HW	E-Mobile JP	HSDPA 7.2/0.38	12d1:1003	12d1:1003	1	0	2	-	serial

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D03HW	E-Mobile JP	HSDPA 7.2/0.38	12d1:1003	12d1:1003	1	0	2	-	serial
D12HW	E-Mobile JP	HSDPA 7.2/0.38	12d1:1003	12d1:1003	1	0	2	-	serial
D21HW	E-Mobile JP	HSDPA 7.2 HSUPA 1.4	12d1:1003	12d1:1003	1	0	2	-	serial
D22HW	E-Mobile JP	HSDPA 7.2 HSUPA 1.4	12d1:1003	12d1:1003	1	0	2	-	serial
D23HW	E-Mobile JP	HSDPA 7.2 HSUPA 1.4	12d1:1003	12d1:1003	1	0	2	-	serial
D24HW	E-Mobile JP	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1408	0	-	1	-	qmi
D25HW	E-Mobile JP	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1408	0	-	1	-	qmi
D26HW	E-Mobile JP	HSDPA 7.2 HSUPA 1.4	12d1:1003	12d1:1003	1	0	2	-	serial
D31HW	E-Mobile JP	HSPA+ 21.6/5.76	12d1:1446	12d1:1429	2	0	3&4	-	serial (& qmi)
D32HW	E-Mobile JP	HSPA+ 21.6/5.76	12d1:	12d1:					
D33HW	E-Mobile JP	HSPA+ 21.6/5.76	12d1:1446	12d1:1506	3	0	4	-	serial & qm
D41HW	E-Mobile JP	DC-HSPA+ 42.2/11.5	12d1:1505	12d1:1506	4	0	5&6		serial & qm
E122		HSDPA 7.2/2.0	12d1:1446	12d1:1001	2	0	3	1	serial
E150		HSDPA 3.6/0.38	12d1:1446	12d1:1001	2	0	3	1	serial
E153		HSDPA 3.6/0.38	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E156B		HSDPA 3.6/0.38	12d1:1003	12d1:1003	1	0	2	-	serial
E156G		HSDPA 3.6/0.38	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E160		HSDPA 3.6/0.38	12d1:1003	12d1:1003	1	0	2	-	serial
E160E		HSDPA 3.6/0.38	12d1:1001	12d1:1001	2	0	3	1	serial
E160G		HSDPA 3.6/0.38	12d1:1001	12d1:1001	2	0	3	1	serial
E161		HSDPA 3.6/0.38	12d1:1446	12d1:1001	2	0	3	1	serial
E166		HSDPA 7.2/0.38	12d1:1001	12d1:1001	2	0	3	1	serial
E169		HSDPA 7.2/0.38	12d1:1001	12d1:1001	2	0	3	1	serial
E169G	O2 DE	HSDPA 7.2/0.38	12d1:1001	12d1:1001	2	0	3	1	serial
E169U		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1436	4	0	5&6	3	serial & ecm
E169V	Vodafone	HSDPA 7.2/0.38	12d1:1001	12d1:1001	2	0	3	1	serial
E170		HSDPA 7.2 HSUPA 2.0	12d1:1003	12d1:1003	1	0	2	-	serial
E171	MTS	HSDPA 7.2 HSUPA 5.76	12d1:14fe	12d1:1506	4	0	5&6		serial & qm
E171		HSDPA 7.2 HSUPA 5.76	12d1:155b	12d1:1506	4	0	5&6		serial & qm
E172		HSDPA 7.2 HSUPA 1.44	12d1:1003	12d1:1003	1	0	2	-	serial
E173			12d1:1446	12d1:140c	3	0	4&5	2	serial & qm

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		HSDPA 7.2 HSUPA 5.76							
E173		HSDPA 7.2 HSUPA 5.76	12d1:1557	12d1:14a5	3	0		2	serial
E173	Movistar	HSDPA 7.2 HSUPA 5.76	12d1:1c24	12d1:1c23	3	2	4	1	serial
E173	Viettel 3G	HSDPA 7.2 HSUPA 5.76	12d1:14b5	12d1:14a8	2	0	3&4	1	serial
E173		HSDPA 7.2 HSUPA 5.76	12d1:14ba	12d1:14d2	4	0		3	serial & qm
E173s-1		HSPA	12d1:1c0b	12d1:1c05	2	0	3&4	1	serial
E173s-1		HSPA	12d1:1c0b	12d1:1c06	2	-		0	(qmi)
E173s-6		HSPA	12d1:1c0b	12d1:1c07	3	0	4&5	2	serial & (qmi)
E173s-2		HSPA	12d1:1c0b	12d1:1c08	1	0	2	-	serial
E173s-1		HSPA	12d1:1c0b	12d1:1c10	2	0	4&5	1	serial
E173u-1		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1436	4	0	5&6	3	serial & ecm
E173u-2	Play PL	HSDPA 7.2 HSUPA 2.0	12d1:1446	12d1:1001	2	0	3	1	serial
E176		HSDPA 7.2 HSUPA 5.76	12d1:1003	12d1:1003	1	0	2	-	serial
E176G		HSDPA 7.2 HSUPA 5.76	12d1:1003	12d1:1003	1	0	2	-	serial
E177		HSDPA 7.2 HSUPA 5.76	12d1:14ba	12d1:14d2	4	0		3	serial & qm
E180		HSDPA 7.2 HSUPA 5.76	12d1:1414	12d1:1003	1	0	2	-	serial
E180V	Swisscom	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E181		HSDPA 7.2	12d1:1001	12d1:1001	2	0	3	1	serial
E182E		HSPA+ 21.6/5.76	12d1:14d1	12d1:14c9	-	0	4	3	serial & ecm
E200		HSDPA 3.6	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E216		HSDPA 3.6	12d1:1001	12d1:1001	2	0	3	1	serial
E219		HSDPA 3.6	12d1:1003	12d1:1003	1	0	2	-	serial
E220	Vodafone	HSDPA 3.6	12d1:1003	12d1:1003	1	0	2	-	serial
E220BIS		HSDPA	12d1:1004	12d1:1004	2	0	.	1	serial
E226		HSDPA 7.2	12d1:1003	12d1:1003	1	0	2	-	serial
E230		HSDPA 7.2 HSUPA 5.76	12d1:1003	12d1:1003	1	0	2	-	serial
E261		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E270	Vodafone	HSDPA 7.2 HSUPA 2.0	12d1:1003	12d1:1003	1	0	2	-	serial



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E270+		HSPA+ 21.6/5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E272	Vodafone	HSDPA 7.2 HSUPA 2.0	12d1:1003	12d1:1003	1	0	2	-	serial
E303		HSPA+ 21.6/5.76	12d1:1f01	12d1:14dc	-	-	2	-	ecm
E303s		HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
E303F	TrueMove TH	HSPA+ 21.6/5.76	12d1:14fe	12d1:1506	4	0	5&6		serial & qm
E352-R1		HSDPA 7.2 HSUPA 5.76	12d1:1449	12d1:1444	2	0	3		serial & ???
E352	T-Mobile NL	HSPA+ 21.6/5.76	12d1:14fe	12d1:1506	4	0	5&6		serial & qm
E353W-u1		HSPA+ 21.6/5.76	12d1:1446	12d1:1506	4	0	5&6	3	serial & qm
E353Ws-2	3.se	HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
E353s-2		HSPA+ 21.6/5.76	12d1:14fe	12d1:1506	4	0	5&6		serial & ncm
E353s-H2		HSPA+ 21.6/5.76	12d1:151a	12d1:151a	-	-	2	-	mbim
E353s-H2		HSPA+ 21.6/5.76	12d1:151a	12d1:151d	3	0	4&5	2	serial & ncm
E355		HSPA+ 21.6/5.76	12d1:14fe	12d1:1c1e	2	-	1 & 4	0	ncm
E355s-1		HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
E367		DC-HSPA+ 28.8/5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E367		DC-HSPA+ 28.8/5.76	12d1:1446	12d1:1506	4	0	5&6		serial & qm
E367		DC-HSPA+ 28.8/5.76	12d1:1505	12d1:1506	4	0	5&6		serial & qm
E367	O2	DC-HSPA+ 28.8/5.76	12d1:1446	12d1:150c	1	2	5&6	0	serial & qm
E367		DC-HSPA+ 28.8/5.76	12d1:1505	12d1:150f	4	0	5&6		serial & qm
E368		HSPA+ 21.6/5.76	12d1:1446	12d1:1506	4	0	5&6		serial & qm
E372		DC-HSPA+ 42.2/5.76	12d1:1446	12d1:1506	4	0	5&6		serial & qm
E372		DC-HSPA+ 42.2/5.76	12d1:1505	12d1:1506	4	0	5&6		serial & qm
E389		LTE CAT3	12d1:1505	12d1:1506	4	0	5&6		serial & qm
E392		LTE CAT3	12d1:1505	12d1:1506	4	0	5&6		serial & qm
E392u-12		LTE CAT3	12d1:151a	12d1:151b	0	-	4	1	qmi
E397Bu-501	AT&T	LTE CAT3	12d1:1505	12d1:1506	1	0	5&6	2	serial & qm
E397u-53	Telus	LTE CAT3	12d1:1505	12d1:1506	1	0	5&6	2	serial & qm
E398		LTE CAT3	12d1:1446	12d1:1506	4	0	5&6		serial & qm
E398u-15		LTE CAT3	12d1:1505	12d1:1506	4	0	5&6		serial & qm
E510		HSDPA 7.2 HSUPA 2.0	12d1:1411	12d1:1411	2	0	5	1	serial
E583C		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:142d	2	-	1	0	ecm

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E585		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1432	2	-	1	0	ecm
E586		HSPA+ 21.6/5.76	12d1:14fe	12d1:1c1e					ncm
E586		HSPA+ 21.6/5.76	12d1:14fe	12d1:1c1f					ncm
E587		HSPA 42.2/5.76	12d1:1c1b	12d1:1506	0	-	1	-	ncm
E589u-12		LTE CAT3	12d1:1f01	12d1:14db	-	-	2	-	ecm
E600			12d1:1001	12d1:1001	2	0	3	1	serial
E620		HSDPA 7.2 HSUPA 2.0	12d1:1446	12d1:1001	2	0	3	1	serial
E630		HSDPA 7.2	1033:0035	12d1:1003	1	0	2	-	serial
E630		HSDPA 7.2	12d1:1003	12d1:1003	1	0	2	-	serial
E800		HSDPA	12d1:1001	12d1:1001	2	0	3	1	serial
E870		HSDPA 7.2 HSUPA 2.0	12d1:1003	12d1:1003	1	0	2	-	serial
E1550		HSDPA 3.6/0.38	12d1:1446	12d1:1001	2	0	3	1	serial
E1552		HSDPA 3.6/0.38	12d1:1446	12d1:1406	1	0	3	-	serial
E1552		HSDPA 3.6/0.38	12d1:1446	12d1:140c	3	0	4&5	3	serial & qm
E1553		HSDPA 3.6/0.38	12d1:1553	12d1:1001	2	0	3	1	serial
E1612		HSDPA 7.2	12d1:1446	12d1:1406	1	0	3	-	serial
E1630		HSDPA 7.2	12d1:1446	12d1:1001	2	0	3&4	1	serial
E1690		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E1691		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E1691		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1436	4	0	5&6	3	serial & ecm
E1692		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E1705		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1001	2	0	3	1	serial
E1731Bu-1		HSPA+ 21.6/5.76	12d1:1446	12d1:1506	4	0	5&6		serial & qm
E1750	Telia SE	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1001	2	0	3&4	1	serial
E1750		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1406	1	0	3	-	serial
E1750		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1436	4	0	5&6	3	serial & ecm
E1750	Viettel 3G	HSDPA 7.2 HSUPA 5.76	12d1:14b5	12d1:14aa	3	0	4	2	serial (&?)
E1752	Telmore DK	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1003	1	0	2	-	serial
E1752	Orange	HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:141b	1	0	2	-	serial
E1752C			12d1:1446	12d1:1417	3	0	5	2	

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		HSDPA 7.2 HSUPA 5.76							serial (& qmi)
E1756		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1406	1	0	3	-	serial
E1756		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1417	3	0	5	2	serial (& qmi)
E1756C		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1433	4	0		3	serial & qm
E1762		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
E1762		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E1762V	Vodafone	HSDPA 7.2 HSUPA 5.76	12d1:1520	12d1:1465	4	0	5&6	3	serial & ecm
E1780		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1001	2	0	3&4	1	serial
E1782		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1001	2	0	3&4	1	serial
E1800		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1436	4	0	5&6	3	serial & ecm
E1800		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E1815	AT&T	HSPA+ 21.6/5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E1820		HSPA+ 21.6/5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E1823		HSPA+ 21.6/5.76	12d1:1446	12d1:14ac	4	0	5&6	3	serial & qm
E1831		HSPA+ 21.6/5.76	12d1:1446	12d1:1404	2	0	N/A	1	serial & qm
E3131h-2		HSPA+ 21.6/5.76	12d1:15ca	12d1:1506	4	0	5&6		serial & qm
E3131s-2		HSPA+ 21.6/5.76	12d1:14fe	12d1:1506	4	0	5&6		serial & qm
E3131s-2	Orange Ro	HSPA+ 21.6/5.76	12d1:14fe	12d1:151d	3	0	4&5	2	serial & ncm
E3131s-2		HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
E3131s-H2		HSPA+ 21.6/5.76	12d1:151a	12d1:151a	1	-	2	-	mbim
E3131s-H2		HSPA+ 21.6/5.76	12d1:151a	12d1:151d	3	0	4&5	2	serial & ncm
E3231		HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
E3236		HSPA+ 21.6/5.76	12d1:1f01	12d1:14dc	-	-	2	-	ecm
E3251		DC-HSPA+ 42.2/11.5	12d1:156a	12d1:156b					?
E3251		DC-HSPA+ 42.2/11.5	12d1:1f01	12d1:14db	-	-	2	-	ecm
E3256	3 UK	DC-HSPA+ 42.2/11.5	12d1:1f01	12d1:14db	-	-	2	-	ecm
E3272s-153		LTE CAT4	12d1:14fe	12d1:1506	1	0	3&4	-	serial & ncm
E3272s-503		LTE CAT4	12d1:157c	12d1:157c	-	-	2	-	mbim

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E3272s-503		LTE CAT4	12d1:157c	12d1:1506	1				ncm
E3276		LTE CAT4	12d1:14fe	12d1:1506	4	0	5&6		serial & ncm
E3276s-150		LTE CAT4	12d1:14fe	12d1:1506					ncm
E3276s-150		LTE CAT4	12d1:157c	12d1:1506					ncm
E3276s-150	Swisscom	LTE CAT4	12d1:1597	12d1:1597					mbim
E3276s-150	Swisscom	LTE CAT4	12d1:1597	12d1:1598	1	0	3	-	serial & ncm
E3276s-151	Orange	LTE CAT4	12d1:156a	12d1:156c	1	0	3	-	serial & ncm
E3276s-210		LTE CAT4	12d1:14fe	12d1:1506					ncm
E3331		HSPA+ 21.6/5.76	12d1:157d	12d1:157d	-	-	-	-	mbim
E3331		HSPA+ 21.6/5.76	12d1:157d	12d1:14db	-	-	2	-	ecm
E3372		LTE CAT4	12d1:15cd	12d1:15cd	-	-	2	-	mbim
E3372		LTE CAT4	12d1:15cd	12d1:1506					
E3372		LTE CAT4	12d1:1f01	12d1:14dc	-	-	2	-	ecm
E3372h-153		LTE CAT4	12d1:157d	12d1:157d	-	-	-	-	mbim
E3372h-153		LTE CAT4	12d1:157d	12d1:14dc	-	-	2	-	ecm
E3372s-153		LTE CAT4	12d1:14fe	12d1:1506	0	1	4&5	-	serial & ncm
E3372s-153		LTE CAT4	12d1:15cd	12d1:15cd	-	-	2	-	mbim
E3372s-153		LTE CAT4	12d1:15cd	12d1:1506	0	1	3&4	-	serial & ncm
E3531s-1		HSPA+ 21.6/5.76	12d1:15ca	12d1:1506	4	0	5&6		serial & ncm
E3531s-2	tre IT	HSPA+ 21.6/5.76	12d1:14fe	12d1:1506					ncm
E3531s-2	Meditel MA	HSPA+ 21.6/5.76	12d1:15ce	12d1:15b1	1	0	4	-	serial & ncm
E3531s-6		HSPA+ 21.6/5.76	12d1:15cd	12d1:15cd	-	-	2	-	mbim
E3531s-6		HSPA+ 21.6/5.76	12d1:15cd	12d1:1506					
E3531		HSPA+ 21.6/5.76	12d1:15e7	12d1:1506					ncm
E3772		LTE CAT4	12d1:157d	12d1:157d	-	-	-	-	mbim
E3772		LTE CAT4	12d1:157d	12d1:14db	-	-	2	-	ecm
E5220s-2	AIS TH	HSPA+ 21.6/5.76	12d1:14fe	12d1:1506					ncm
E5251	tre IT	DC-HSPA+ 42.2/11.5	12d1:14fe	12d1:1506					ncm
E5330		HSPA+ 21.6/5.76	12d1:14fe	12d1:1506					ncm
E5330s-2		HSPA+ 21.6/5.76	12d1:1f01	12d1:14db					ecm
E5331		HSPA+ 21.6/5.76	12d1:14fe	12d1:1c1f					ncm
E5332		HSPA+ 21.6/5.76	12d1:14fe	12d1:1506					ncm
E5372		LTE CAT4	12d1:14fe	12d1:1506					ncm
E5375		LTE CAT4	12d1:14fe	12d1:1506					ncm
E5377s-32		LTE CAT4	12d1:1f02	12d1:14dc	-	-	2	-	ecm

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E5573s-320	O2 DE	LTE CAT4	12d1:1f01	12d1:14db	-	-	2	-	ecm
E5756		DC-HSPA+ 42.2/11.5	12d1:14fe	12d1:1506					ncm
E5776s-22		LTE CAT4	12d1:14fe	12d1:1506					ncm
E5776s-32		LTE CAT4	12d1:14fe	12d1:1506					ncm
E5786		LTE CAT6	12d1:	12d1:1506					ncm
E5786s-32a		LTE CAT6	12d1:14fe	12d1:1506					ncm
E5788	Vodafone	LTE CAT 16	12d1:1f1b	12d1:1f1b	-	-	2	-	mbim
E5788	Vodafone	LTE CAT 16	12d1:1f1b	12d1:1579	-	-	-	-	ecm
E5830		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1401	2	3	1	0	
E5830s		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:142d	2	-	1	0	ecm
E5832		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:1401	2	3	1	0	
E5832s		HSDPA 7.2 HSUPA 5.76	12d1:1446	12d1:142d	2	-	1	0	ecm
E8131		HSPA+ 21.6/5.76	12d1:1f01	12d1:14dc	-	-	2	-	ecm
E8231		HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
E8278		LTE CAT4	12d1:14fe	12d1:1506					ncm
E8278s-602		LTE CAT4	12d1:1583	12d1:1589					ncm
E8372		LTE CAT4	12d1:1f01	12d1:14db	-	-	2	-	ecm
EC27		HSDPA/HSUPA							
EC121	Reliance	CDMA2000	12d1:1411	12d1:1411	2	0	5	1	serial
EC122		CDMA2000	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
EC150	Reliance	CDMA 2000	12d1:1446	12d1:140b	2	0	3	1	serial
EC152		CDMA 1XHSIA	12d1:1446	12d1:140b	2	0	3	1	serial
EC156		CDMA EV-DO Rev.A	12d1:1446	12d1:140b	2	0	3	1	serial
EC156		CDMA EV-DO Rev.A	12d1:1505	12d1:140b	2	0	3	1	serial
EC159	Reliance	CDMA 2000	12d1:1446	12d1:140b	2	0	3	1	serial
EC167		CDMA EV-DO Rev.A	12d1:1446	12d1:1001	2	0	3	1	serial
EC168		CDMA EV-DO Rev.A	12d1:1446	12d1:1412	2	0		1	serial
EC168	AllTel	CDMA EV-DO Rev.A	12d1:1413	12d1:1413	3	0	5	2	serial (& qmi)
EC168C	Reliance	CDMA EV-DO Rev.A	12d1:1446	12d1:1412	2	0		1	serial
EC169		CDMA EV-DO Rev.A	12d1:1001	12d1:1001	2	0	3	1	serial
EC176-2	Smartfren	CDMA EV-DO Rev.A	12d1:1505	12d1:140c	3	0	4&5	2	serial & qm

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EC178		CDMA EV-DO Rev.A	12d1:1505	12d1:140c	3	0	4&5	2	serial & qm
EC189		CDMA EV-DO Rev.A	12d1:1505	12d1:140c	3	0	4&5	2	serial & qm
EC226		CDMA EV-DO Rev.A	12d1:1001	12d1:1001	2	0	3	1	serial
EC228		CDMA EV-DO Rev.A	12d1:1001	12d1:1001	2	0	3	1	serial
EC306		CDMA EV-DO Rev.B	12d1:1505	12d1:1506	3	0	4&5		serial & qm
EC321		CDMA2000	12d1:1001	12d1:1001	2	0	3	1	serial
EC325	Reliance	CDMA2000	12d1:1001	12d1:1001	2	0	3	1	serial
EC328		CDMA2000							
EC360		CDMA EV-DO Rev.0	12d1:1001	12d1:1001	2	0	3	1	serial
EC500		CDMA EV-DO Rev.A	12d1:1001	12d1:1001	2	0	3	1	serial
EC821		CDMA2000	12d1:1001	12d1:1001	2	0	3	1	serial
EC1260	Reliance	HSD Rev.A	12d1:1446	12d1:140b	2	0	3	1	serial
EC1260		HSD Rev.A	12d1:1505	12d1:140b	2	0	3	1	serial
EC1261		HSD Rev.A	12d1:1446	12d1:140b	2	0	3	1	serial
EC1261		HSD Rev.A	12d1:1505	12d1:140b	2	0	3	1	serial
EC1262			12d1:1446	12d1:140b	2	0	3	1	serial
EC1270		CDMA EV-DO Rev.A	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
EC1561	MTS		12d1:1505	12d1:140b	2	0	3	1	serial
EM770U		HSDPA 7.2 HSUPA 5.76	-	12d1:1404	2	0	-	1	serial (& qmi)
EM770W		HSDPA 7.2 HSUPA 5.76	-	12d1:1404	2	0	-	1	serial (& qmi)
EM772		HSDPA 7.2 HSUPA 5.76	-	12d1:140c	3	0	-	2	serial & qm
EM820U		HSPA+ 21.6/5.76	-	12d1:140c	3	0	-	2	serial & qm
EM820W		HSPA+ 21.6/5.76	-	12d1:1571	2	0	-	1	serial & qm & mbim
GD01	E-Mobile JP	HSPA+ 21.6/5.76	12d1:1446	12d1:1506	3	0	4	-	serial & qm
GL01P	E-Mobile JP	HSPA+ 21.6/5.76	12d1:1f01	12d1:14db	-	-	2	-	ecm
GL03D	E-Mobile JP	LTE CAT3	12d1:1505	12d1:1506	4	0	5&6		serial & qm
GL04P	E-Mobile JP	LTE CAT4	12d1:1f01	12d1:14db	-	-	2	-	ecm
GP01	E-Mobile JP	HSPA+ 21.6/5.76	12d1:14fe	12d1:1c1e	2	-	1 & 4	0	ncm
GP02	E-Mobile JP	HSPA+ 21.6/5.76	12d1:1c1b	12d1:1506	0	-	1	-	ncm
HWD12	KDDI Jpn	LTE CAT4	12d1:1f03	12d1:14db	-	-	2	-	ecm
K3520	Vodafone	HSDPA 7.2 HSUPA 5.76	12d1:1520	12d1:1465	4	0	5&6	3	serial & ecm

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K3565	Vodafone	HSDPA 3.6 HSUPA 2.0	12d1:1001	12d1:1001	2	0	3&4	1	serial
K3565-2	Vodafone	HSDPA 7.2 HSUPA 2.0	12d1:1003	12d1:1003	1	0	2	-	serial
K3715	Vodafone	HSDPA 7.2 HSUPA 2.0	12d1:1001	12d1:1001	2	0	3	1	serial
K3765	Vodafone	HSDPA 7.2 HSUPA 5.76	12d1:1520	12d1:1465	4	0	5&6	3	serial & ecm
K3770	Vodafone	HSDPA 7.2 HSUPA 2.0	12d1:14d1	12d1:14c9	-	0	4	3	serial & ecm
K3771	Vodafone	HSDPA 7.2 HSUPA 2.0	12d1:14c4	12d1:14ca	-	0	4	3	serial & qm
K3772	Vodafone	HSDPA 7.2 HSUPA 5.76	12d1:1526	12d1:14cf	3	0	4	2	serial & ncm
K3773	Vodafone	HSDPA 7.2 HSUPA 5.76	12d1:1f11	12d1:14bc	-	-	-	-	ecm
K3806	Vodafone	HSPA+ 14.4/5.76	12d1:14ad	12d1:14ae	0	2			serial & ecm
K4201	Vodafone	HSPA+ 21.6/5.76	12d1:1f17	12d1:1f17	-	-	2	-	mbim
K4201	Vodafone	HSPA+ 21.6/5.76	12d1:1f17	12d1:1576	-	-	-	-	ecm
K4202	Vodafone	HSPA+ 21.6/5.76	12d1:1f18	12d1:1f18	-	-	2	-	mbim
K4202	Vodafone	HSPA+ 21.6/5.76	12d1:1f18	12d1:1577	-	-	-	-	ecm
K4203	Vodafone	HSPA+ 21.6/5.76	12d1:1f1c	12d1:1f1c	-	-	2	-	mbim
K4203	Vodafone	HSPA+ 21.6/5.76	12d1:1f1c	12d1:157a	-	-	2	-	ecm
K4203	Vodafone	HSPA+ 21.6/5.76	12d1:1f1c	12d1:1590	-	-	-	-	ecm
K4305	Vodafone	DC-HSPA+ 28.8/5.76	12d1:1f15	12d1:1f15	-	-	2	-	mbim
K4305	Vodafone	DC-HSPA+ 28.8/5.76	12d1:1f15	12d1:1400	-	-	-	-	ecm
K4305	Vodafone	DC-HSPA+ 28.8/5.76	12d1:1f15	12d1:14f7	-	-	2	-	ecm
K4505	Vodafone	DC-HSPA+ 28.8/5.76	12d1:1521	12d1:1464	4	0	5	3	serial & qm
K4510	Vodafone	DC-HSPA+ 28.8/5.76	12d1:14c5	12d1:14cb	4	0		3	serial & qm
K4511	Vodafone	DC-HSPA+ 28.8/5.76	12d1:14b7	12d1:14cc	4	0	5&6	3	serial & qm
K4605	Vodafone	DC-HSPA+ 42.2/11.5	12d1:14c1	12d1:14c6	4	0	5&6	3	serial & qm
K4606	Vodafone	DC-HSPA+ 42.2/11.5	12d1:1f19	12d1:1f19	-	-	2	-	mbim
K4606	Vodafone	DC-HSPA+ 42.2/11.5	12d1:1f19	12d1:14fa	-	-	2	-	ecm
K4606	Vodafone	DC-HSPA+ 42.2/11.5	12d1:1f19	12d1:1578	-	-	-	-	ecm

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K5005	Vodafone	LTE CAT3	12d1:14c3	12d1:14c8	2	0	5&6	1	serial & qm
K5007	Vodafone	LTE CAT4	12d1:156a	12d1:156c	1	0	3		serial & ncm
K5150	Vodafone	LTE CAT4	12d1:1f16	12d1:1f16	-	-	2	-	mbim
K5150	Vodafone	LTE CAT4	12d1:1f16	12d1:14f8	-	-	2	-	ecm
K5150	Vodafone	LTE CAT4	12d1:1f16	12d1:1575	-	-	-	-	ecm
K5150	Vodafone	LTE CAT4	12d1:15ec	12d1:15ec	-	-	-	-	mbim
K5150	Vodafone	LTE CAT4	12d1:15ec	12d1:1c26	-	-	-	-	ncm
K5160	Vodafone	LTE CAT4	12d1:1f1e	12d1:1f1e	-	-	2	-	mbim
K5160	Vodafone	LTE CAT4	12d1:1f1e	12d1:157f	-	-	-	-	ecm
K5160	Vodafone	LTE CAT4	12d1:1f1e	12d1:1592	-	-	2	-	ecm
K5188	Vodafone	DC-HSPA+ 28.8/5.76	12d1:	12d1:					
Kyyyy	Vodafone	LTE CAT4	12d1:1f1d	12d1:1f1d	-	-	2	-	mbim
Kyyyy	Vodafone	LTE CAT4	12d1:1f1d	12d1:157b	-	-	-	-	ecm
ME906C	China	LTE CAT3	-	12d1:15c0	1	0	-	2	mbim or serial
ME906E	EU Asia	LTE CAT3	-	12d1:1570	1	0	-	2	mbim or serial
ME906J	Japan	LTE CAT3	-	12d1:	1	0	-	2	mbim or serial
ME906V	Verizon	LTE CAT3	-	12d1:1573	2	0	-	1	mbim or serial
MU733		HSPA+ 21.6/5.76	-	12d1:1572	1	0	-	2	mbim or serial
MU736		HSPA+ 21.6/5.76	-	12d1:1570	1	0	-	2	mbim or serial
R201	Vodafone	HSDPA 7.2 HSUPA 5.76	12d1:1523	12d1:1491	0	-	1	2	(qmi only)
R205	Vodafone	HSPA+ 21.6/5.76	12d1:155a	12d1:14cd	2	-	3&4	0	ncm
R206	Vodafone	HSPA+ 21.6/5.76	12d1:1527	12d1:1594	2	-	3	1	ncm
R206_MR	Vodafone	HSPA+ 21.6/5.76	12d1:1f04	12d1:15bc	-	-	-	-	ecm
R207	Vodafone	HSPA+ 21.6/5.76	12d1:1f05	12d1:15bd	-	-	-	-	ecm
R208	Vodafone	DC-HSPA+ 42.2/5.76	12d1:1581	12d1:1587					ncm
R210	Vodafone	LTE CAT3	12d1:1580	12d1:1585					
R215	Vodafone	LTE CAT4	12d1:1582	12d1:1588	-	-	2&3	0	ncm
R215_MR	Vodafone	LTE CAT4	12d1:1f06	12d1:15be	-	-	2	-	
R215_MR	Vodafone	LTE CAT4	12d1:1f06	12d1:15c7		-			
R216	Vodafone	LTE CAT4	12d1:1f09	12d1:1c50	-	-	-	-	ecm
R218h	Vodafone	LTE CAT4	12d1:1f0a	12d1:1c51	-	-	-	-	ecm
R226	Vodafone	LTE CAT6	12d1:1f07	12d1:15bf	-	-	2	-	ecm
R226	Vodafone	LTE CAT6	12d1:1f07	12d1:15c8	-	-	-	-	ecm



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S4011	MedionMobile	HSDPA 3.6	12d1:1003	12d1:1003	1	0	2	-	serial
Speedstick LTE	Telekom DE	LTE CAT3	12d1:1505	12d1:1506	4	0	5&6		serial & qm
Speedstick LTE III	Telekom DE	LTE CAT4	12d1:14fe	12d1:1506					ncm
Speedstick LTE V	Telekom DE	LTE CAT4	12d1:15cd	12d1:15cd	-	-	2	-	mbim
SU-6200	SpeedUp	CDMA	12d1:1446	12d1:1001	2	0	3	1	serial
U725	Vodafone		12d1:1009	12d1:1009		0	2		serial
U2800A			12d1:1805	12d1:1805		0	2		serial
U6150			12d1:1805	12d1:1805		0	2		serial
U8110	T-Mobile		12d1:1031	12d1:1035		0	2		serial
U8220	T-Mobile		12d1:1030	12d1:1034	1	0	2	-	serial
UMG366	T-Mobile US	HSPA+ 21.6/5.76	12d1:1446	12d1:1506	4	0	5&6	3	serial & qm
UMG1691	T-Mobile US	HSDPA	12d1:1446	12d1:140c	3	0	4&5	2	serial & qm
UMG1831	T-Mobile US	HSPA+ 21.6/5.76	12d1:1446	12d1:1404	2	0	N/A	1	serial & qm
UML397	Celluar US	LTE							
W5101	Vodafone	LTE CAT4	12d1:1583	12d1:1589	-	-	2&3	0	ncm

## Infomark

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
IMW-C910W	Clear Spot Voyager		19f2:1700	19f2:1700					ecm	wip

## Kyocera

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
KPC650		CDMA 1xEV-DO	0c88:17da	0c88:17da		0			serial	MSM6500 pccard
KPC680		CDMA EV-DO Rev.A	0c88:180a	0c88:180a		0			serial	expresscard

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W06K	CDMA EV-DO Rev.A	0482:024d	0482:024d	acm
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**LG**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
L-02A	Docomo	HSDPA 7.2/0.38	1004:610c	1004:6109					acm	
L-02C	Docomo	HSDPA 7.2 HSUPA 5.76	1004:61dd	1004:618f	0	2	-	1	serial	
L-03D	Docomo	HSPA+ 14.4/5.76	1004:6327	1004:6326	0	2		1	serial	wip
L-05A	Docomo	HSDPA 7.2 HSUPA 5.76	1004:613a	1004:6124					acm	
L-07A	Docomo	HSDPA 7.2 HSUPA 5.76	1004:614e	1004:6135						wip expresscaro
L-08C	Docomo	HSDPA 7.2 HSUPA 5.76	1004:61eb	1004:61ea						wip
LUU-2100TI	AT&T	HSDPA 7.2 HSUPA 5.76	1004:613f	1004:6141					acm	
LUU-2110TI	AT&T	HSDPA 7.2 HSUPA 5.76	1004:6156	1004:6157					acm	

**Linktop**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
LW272	BSNL		230d:0001	230d:0001		0			acm	
LW272	Teracom		230d:0003	230d:0003		0			acm	

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LW272	Visiontek	230d:0007	230d:0007	0	acm
LW273	BSNL	230d:0001	230d:0001	0	acm
LW273	Visiontek	230d:0007	230d:0007	0	acm
IT-ST3G	Intex	230d:000d	230d:000d	0	acm
Zoom 3G		230d:0001	230d:0001	0	acm
Zoom 3G		230d:000b	230d:000b	0	acm
Zoom 3G		230d:000c	230d:000c	0	acm

Longcheer

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comme
3.5G	Nuton	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial	generic
4595	Zoom	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0	serial	
4596	Zoom	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0	serial	
4597	Zoom	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9607	1	3	4	0	serial	
CBM-300	ChangBao	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
CBM-400	ChangBao	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0	serial	
CE200	Capitel	CDMA EV-DO	1c9e:9e00	1c9e:9e00	2	0	5	1	serial	generic
C01LC	Softbank	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
C02LC	Softbank	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9900	1	2	3	0	serial	generic
C5300	Longsung	CDMA EV-DO	1c9e:9e00	1c9e:9e00	2	0	5	1	serial	generic mPCIe
C5300V	Longsung	CDMA EV-DO	1c9e:9e00	1c9e:9e00	2	0	5	1	serial	generic mPCIe

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D01LC	Emobile	HSDPA 3.6	1c9e:	1c9e:						serial	
D02LC	Emobile	HSDPA 3.6	1c9e:	1c9e:						serial	
D11LC	Emobile	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1		serial	generic
D12LC	Emobile	HSDPA 7.2 HSUPA 5.76	1c9e:9101	1c9e:9104	1	3	2	0		serial	generic
D21LC	Emobile	HSDPA 7.2 HSUPA 5.76	1c9e:9401	1c9e:9404	1	3	2	0		serial	generic
EU930	Yitong	CDMA EV-DO Rev.A	1c9e:6000	1c9e:6000	2	0		1		serial	generic
HSPA-820	iFox	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1		serial	generic
IV-2010u	Ivio	CDMA EV-DO Rev.A	1c9e:6000	1c9e:6000	2	0		1		serial	generic
MBD-100HU	Mobidata	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1		serial	generic
MBD-200HU	Mobidata	HSDPA 3.6	1c9e:f000	1c9e:9000	1	2	3	0		serial	
MBD-220HU	Mobidata	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0		serial	
MBD-230HU	Mobidata	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0		serial	
MBD-300HU	Mobidata	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:							wip
MBD-400HU	Mobidata	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0		serial	
MBD-500HU	Mobidata	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0		serial	
MBD-600HU	Mobidata	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0		serial	
MBD-700HU	Mobidata		1c9e:f000	1c9e:							wip

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		HSDPA 7.2 HSUPA 5.76									
MBD-800HU	Mobidata	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:							wip
MMX 210G	Micromax	HSPA+ 21.6/5.76	1c9e:f000	1c9e:9605	2	1	4	0	serial (&qmi)		generic
MMX 300G	Micromax	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial		
MMX 310C	Micromax	CDMA EV-DO	1c9e:9e00	1c9e:9e00	2	0	5	1	serial		generic
MMX 310G	Micromax	HSDPA 3.6	1c9e:f000	1c9e:9605	1	3	4	0	serial		
MMX 351G	Micromax	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9607	1	3	4	0	serial		
MMX 352G	Micromax	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial		
MMX 353G	Micromax	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial		
MMX 372G	Micromax	HSDPA 7.2 HSUPA 5.76	1c9e:f000								wip
NT36HD	Nuton	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial		generic
OneTouch X020	Alcatel	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial		generic
OneTouch X030	Alcatel	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial		generic
PCM100	Prolink	CDMA 1x EV-DO Rev.A	1c9e:9d00	1c9e:9d00		3			serial		generic
PHS301	Prolink	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial		
S3gm-646	Solomon	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial		

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S3gm-690	Solomon	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0	serial	
SEV759	Chong King	CDMA 2000	1c9e:3197	1c9e:3197	-	0	-	1	serial	generic
SU-7300U	SpeedUP	CDMA EV-DO	1c9e:9e00	1c9e:9e00	2	0	5	1	serial	generic
SU-8200U	SpeedUP	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial	generic
SU-8300U	SpeedUP	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial	generic
SU-8600U	SpeedUP	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
SU-8650U	SpeedUP	HSDPA 3.6	1c9e:f000	1c9e:9605	1	3	4	0	serial	
SU-8900U	SpeedUP	HSDPA 3.6	1c9e:f000	1c9e:9605	1	3	4	0	serial	
SU-9000U	SpeedUP	HSDPA 7.2 HSUPA 2.1	1c9e:f000	1c9e:9000	1	3	2	0	serial	
SU-9500U	SpeedUP	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9607	1	3	4	0	serial	
SU-9800U	SpeedUP	HSPA+ 14.4/5.76	1c9e:9800	1c9e:9800	2	1	3	0	serial	
TFDG888	Taifeng	HSDPA 3.6	1c9e:f000	1c9e:9605	1	3	4	0	serial	
TU930		CDMA EV-DO Rev.A	1c9e:6000	1c9e:6000	2	0		1	serial	generic
TW-3G	Telewell	HSPA+ 21.6/5.76	1c9e:98ff	1c9e:9801	2	1	4	0	serial & qmi	
USB303	VKOM	HSPA+ 21.6/5.76	1c9e:98ff	1c9e:9801	2	1	4	0	serial & qmi	
U12	Flyer	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
U1-TF	CSL	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
U3501	I Mobile,TH	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial	
U6300V	Longsung	HSDPA 7.2	1c9e:9603	1c9e:9603	1	2	-	0	serial	mPCIe

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		HSUPA 5.76								
WL-72B	Omega	HSDPA 7.2	1c9e:6061	1c9e:6061	2	0	3	1	serial	generic
WM61	KPT	HSDPA 3.6	1c9e:1001	1c9e:6061	2	0	3	1	serial (&qmi)	generic
WM66A		HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial	
WM66e	SmartBro	HSPA+ 21.6/5.76	1c9e:98ff	1c9e:9803	2	1	4	0	serial & qmi	
WM669	D-Link	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
WM71	Smartbro	HSDPA 3.6	1c9e:f000	1c9e:9603	1	2	3	0	serial	
WM72	Smartbro	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial	
WM81	Mecer	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial	
X270	Nexon	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9607	1	3	4	0	serial	
XSStick P14	4G Systems	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9605	1	3	4	0	serial	
XSStick TV	4G Systems	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9a00	2	0		1	serial	generic
XSStick W14	4G Systems	HSDPA 7.2 HSUPA 5.76	1c9e:f000	1c9e:9603	1	2	3	0	serial	
XSStick W21	4G Systems	HSPA+ 21.6/5.76	1c9e:98ff	1c9e:9801	2	1	4	0	serial & qmi	
ZX-200	Alltronix	CDMA EV-DO Rev.A	1c9e:6000	1c9e:6000	2	0		1	serial	generic

## Mediatek

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
DC_1COM			0e8d:0002	0e8d:00a0					acm	wip
		HSDPA 7.2 HSUPA 5.76	0e8d:0002	0e8d:00a1	1	0	-	2	serial	
		HSDPA 7.2 HSUPA 5.76	0e8d:0002	0e8d:00a2	1	0	-	2	serial	
DC_5COM			0e8d:0002	0e8d:00a4	2	0			serial	
DC_4COM			0e8d:0002	0e8d:00a5	3	2	6	5	serial & mbim	
DC_4COM2			0e8d:0002	0e8d:00a7	3	2	6	5	serial & mbim	
S4222			0e8d:0002	0e8d:00a5	3	2	6	5	serial & mbim	

## Modmen

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
LM-700r	JOA Telecom	CDMA EV-DO Rev.A	198a:0003	198a:0002	3	0	1	2	serial	generic

## Netgear

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
AC778AT	Around Town US	LTE CAT3 CDMA EV-DO	0846:0fff	0846:68d3	-	-	-	-	qmi	wip
AC778S	Virgin US	LTE CAT3 CDMA EV-DO	0846:0fff	0846:68d3	-	-	-	-	qmi	wip
AC779S			0846:0fff	0846:68d3	-	-	-	-	qmi	wip



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	AT&T US	LTE CAT3								
AC779S	Boost AU/US	LTE CAT3	0846:0fff	0846:68d3	-	-	-	-	qmi	wip
AC779S	Sprint US	LTE CAT3	0846:0fff	0846:68d3	-	-	-	-	qmi	wip
AC781S	AT&T US	LTE CAT4	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC782S	Bigpond AU	LTE CAT4	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC782S	Telstra AU	LTE CAT4	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC785S	Telstra AU	LTE CAT4	0846:68e2	0846:68e2	-	-	-	-	rndis	wip
AC785S-100	Netgear	LTE CAT4	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC785S-200	Netgear	LTE CAT4	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC790S	Bigpond AU	LTE CAT6	0846:68e2	0846:68e2	-	-	-	-	rndis	wip
AC790S	Ooredoo QA	LTE CAT6	0846:68e2	0846:68e2	-	-	-	-	rndis	wip
AC790S	Telstra AU	LTE CAT6	0846:68e2	0846:68e2	-	-	-	-	rndis	wip
AC790S	Zain N Africa	LTE CAT6	0846:68e2	0846:68e2	-	-	-	-	rndis	wip
AC791L	Verizon US	LTE CAT6	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC791S		LTE CAT6	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC810S	Telstra AU	LTE CAT11	0846:68e1	0846:68e1	-	-	-	-	rndis & ecm	wip
AC815S	AT&T	LTE CAT9	0846:68e1	0846:68e1	0	1	-	-	rndis & ecm	wip

**Nokia**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
CS-10		HSDPA 7.2 HSUPA 2.1	0421:060c	0421:060d			-		acm	
CS-10		HSDPA 7.2 HSUPA 2.1	0421:060c	0421:060e			-		acm	
CS-11			0421:061d	0421:061e			-		acm	

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	HSDPA 7.2 HSUPA 5.76								
CS-11	HSDPA 7.2 HSUPA 5.76	0421:061d	0421:061f		-		acm	wip	
CS-12	HSPA+ 14.4/5.76	0421:0618	0421:0619				acm		
CS-15	HSDPA 10.2 HSUPA 5.76	0421:0610	0421:0611		-		acm	wip	
CS-15	HSDPA 10.2 HSUPA 5.76	0421:0610	0421:0612		-		acm		
CS-17	HSPA+ 14.4/5.76	0421:0622	0421:0623		-		acm		
CS-17	HSPA+ 14.4/5.76	0421:0622	0421:0624		-		acm	wip	
CS-18	HSPA+ 21.6/5.76	0421:0627	0421:0629		5		acm		
CS-19	HSPA+ 21.6/5.76	0421:062c	0421:062d		5		acm		
7M-01	HSDPA 7.2 HSUPA 5.76	0421:0632	0421:0632				acm		
7M-02	HSDPA 7.2 HSUPA 5.76	0421:0637	0421:0638				acm		
21M-02	HSPA+ 21.6/5.76	0421:0637	0421:0638				acm		
21M-02	HSPA+ 21.6/5.76	0421:0639	0421:0639				acm		

Novatel Wireless

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Commer
C777		CDMA EV-DO Rev.A	1410:6000	1410:6000	1	0	4&5	2	serial	expressca
E362		LTE CAT3	1410:9010	1410:9010	1	0	-	2	serial & qmi	mPCIe
E371		LTE CAT3	1410:9011	1410:9011	1	0	-	2	serial & qmi	mPCIe
E373		LTE CAT3	1410:9011	1410:9011	1	0	-	2	serial & qmi	mPCIe
E396		HSPA+ 14.4/5.76	1410:a021	1410:a021					serial & qmi	mPCIe
E396U		HSPA+ 14.4/5.76	1410:a023	1410:a023						wip mPCIe
EU730		HSDPA 1.8/0.38	1410:2400	1410:2400	1	0		2	serial	mPCIe

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EU740		HSDPA 1.8/0.38	1410:2410	1410:2410	1	0		2	serial	mPCIe
EU850D		HSDPA 7.2/0.38	1410:2420	1410:2420	1	0		2	serial	mPCIe
EU860D		HSDPA 7.2/0.38	1410:2420	1410:2420	1	0		2	serial	mPCIe
EU870D		HSDPA 7.2/0.38	1410:2420	1410:2420	1	0		2	serial	mPCIe
MC545		DC-HSPA+ 42.2/5.76	1410:5059	1410:7042	1	0	5	2	serial (&qmi)	
MC547		DC-HSPA+ 42.2/5.76	1410:5059	1410:7042	1	0	5	2	serial (&qmi)	
MC551		LTE CAT3	1410:b001	1410:b001	1	0			serial & qmi	
MC679		LTE CAT3	1410:5059	1410:7031	1	0	5	2	serial (&qmi)	generic
MC727		CDMA EV-DO Rev.A	1410:5010	1410:4100	1	0	4	2	serial	
MC760	Ting CA	CDMA EV-DO Rev.A	1410:5030	1410:6000	1	0	4&6	2	serial	
MC760	Virgin US	CDMA EV-DO Rev.A	1410:5031	1410:6002	1	0		2	serial	
MC930D		HSDPA 7.2/2.1	1410:5010	1410:4400	1	0		2	serial	
MC935B		HSDPA 7.2 HSUPA 5.76	1410:5020	1410:7001	1	0	5	2	serial (&ecm)	
MC935D		HSDPA 7.2 HSUPA 5.76	1410:5020	1410:7001	1	0	5	2	serial (&ecm)	
MC950D		HSDPA 7.2/2.1	1410:5010	1410:4400	1	0		2	serial	
MC990D		HSDPA 7.2 HSUPA 5.76	1410:5020	1410:7001	1	0	5	2	serial	
MC996D		HSPA+ 21.6/5.76	1410:5023	1410:7030	1	0	5	2	serial (&qmi)	
MC998D	Bell	DC-HSPA+ 28.8/5.76	1410:5010	1410:7030	1	0	5	2	serial (&qmi)	
MiFi 2200		CDMA EV-DO Rev.A	1410:5030	1410:6000	1	0	4&5	2	serial	usb
MiFi 2352		HSDPA 7.2 HSUPA	1410:5041	1410:7001	1	0	5	2	serial (&ecm)	

Mobile\_Broadband

		5.76								
MiFi 2352	Vodafone	HSDPA 7.2 HSUPA 5.76	1410:5041	1410:7003	1	0	5	2	serial (&ecm)	
MiFi 2372		HSDPA 7.2 HSUPA 5.76	1410:5041	1410:7001	1	0	5	2	serial (&ecm)	
MiFi 4082	Sprint	CDMA EV-DO Rev.A	1410:5055	1410:6032			4		ecm	wip
MiFi 4620L	Verizon	LTE CAT3	1410:b005	1410:b005	1	0		2	serial & rndis & ecm	
MiFi 5510L	Verizon	LTE CAT3	1410:b00b	1410:b00b					rndis & ecm	wip
MiFi 5792	AT&T	LTE CAT3	1410:b009	1410:b009					rndis & ecm	wip
MiFi 6620L	Verizon	LTE CAT3	1410:b00c	1410:b00c					rndis & ecm	wip
U547		DC-HSPA+ 42.2/5.76	1410:5059	1410:7042	1	0	5	2	serial (&qmi)	
U620L		LTE CAT4	1410:9020	1410:9020	-	-	-	-	rndis & ecm	wip
U679		LTE CAT3	1410:5059	1410:7031	1	0	5	2	serial (&qmi)	generic
U720		CDMA EV-DO Rev.A	1410:2110	1410:2110		0			serial	usb
U727		CDMA EV-DO Rev.A	1410:5010	1410:4100	1	0	4	2	serial	
U730		HSDPA 1.8/0.38	1410:1400	1410:1400		0			serial	pccard
U740		HSDPA 1.8/0.38	1410:1410	1410:1410		0			serial	pccard
U760		CDMA EV-DO Rev.A	1410:5030	1410:6000	1	0	4&6	2	serial	usb
U870		HSDPA 3.6/0.38	1410:1420	1410:1420	1	0		2	serial	pccard
U950D		HSDPA 7.2/2.1	1410:5010	1410:4400	1	0		2	serial	usb
U998		DC-HSPA+ 28.8/5.76	1410:5010	1410:7030	1	0	5	2	serial (&ecm)	
USB551L	Verizon	LTE CAT3	1410:b001	1410:b001	1	0			serial & qmi	
USB1000	Verizon	HSPA+ 14.4/5.76	1410:a001	1410:a001	1	0	-		serial & qmi	
XU870		HSDPA 3.6/0.38	1410:1430	1410:1430	1	0		2	serial	expressca

Mobile\_Broadband

X950D
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HSDPA 7.2/2.1	1410:5010	1410:1450	1	0
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2	serial	expressca
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## Olivetti

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
Olicard 100		HSDPA 7.2/0.38	0b3c:c700	0b3c:c000	2	0	-	1	serial & qmi	
Olicard 120		HSDPA 7.2/0.38	0b3c:c700	0b3c:c001	2	0	-	1	serial & qmi	
Olicard 140		HSDPA 7.2 HSUPA 5.76	0b3c:c700	0b3c:c002	2	0	-	1	serial & qmi	
Olicard 145		HSDPA 7.2 HSUPA 5.76	0b3c:f000	0b3c:c003		5	4		serial	
Olicard 155		HSDPA 7.2 HSUPA 5.76	0b3c:f000	0b3c:c004		0			serial & qmi	
Olicard 160		HSDPA 7.2 HSUPA 5.76	0b3c:f00c	0b3c:c00a		5	4		serial & qmi	
Olicard 200		HSPA+ 14.4/5.76	0b3c:f000	0b3c:c005		0			serial & qmi	
Olicard 310		HSPA+ 21.6/5.76	0b3c:	0b3c:						wip
Olicard 315		HSPA+ 21.6/5.76	0b3c:	0b3c:						wip
Olicard 400		DC-HSPA+ 42.2/11.5	0b3c:	0b3c:					mbim	wip
Olicard 500		LTE CAT3	0b3c:f017	0b3c:c00b	1	3	2	0	serial & qmi	
Olicard 700		LTE CAT3	0b3c:	0b3c:						wip

## Onda

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
CM201	Coop	HSPA+ 14.4/5.76	1ee8:0063	1ee8:0065					acm	wip
FM301	FastWeb	HSPA+ 21.6/5.76	1ee8:0068	1ee8:0069					acm	
MDC655	Ducati	HSPA+ 14.4/5.76	1ee8:0045	1ee8:0044					acm	

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MDC655	Ducati	HSPA+ 14.4/5.76	1ee8:004a	1ee8:0049	acm
MDC655	Ducati	HSPA+ 14.4/5.76	1ee8:004f	1ee8:004e	acm
MDC835UP	Ducati	HSPA+ 14.4/5.76	1ee8:0013	1ee8:0011	acm
MO835UP	Coop	HSPA+ 14.4/5.76	1ee8:0018	1ee8:0017	acm
MSA 14.4	TIM BZ	HSPA+ 14.4/5.76	1ee8:0060	1ee8:005f	acm
MT655	TIM	HSPA+ 14.4/5.76	1ee8:0048	1ee8:0049	acm
MT825UP	TIM	HSPA+ 14.4/5.76	1ee8:0009	1ee8:000b	acm
MT833UP	TIM	HSPA+ 14.4/5.76	1ee8:0013	1ee8:0014	acm
MT835UP	TIM	HSPA+ 14.4/5.76	1ee8:0013	1ee8:0014	acm
MV815UP	Vodafone	HSPA+ 14.4/5.76	1ee8:0003	1ee8:0004	acm
MW823UP	Wind	HSPA+ 14.4/5.76	1ee8:0009	1ee8:000b	acm
MW825UP	Wind	HSPA+ 14.4/5.76	1ee8:0009	1ee8:000b	acm
MW833UP	Wind	HSPA+ 14.4/5.76	1ee8:0013	1ee8:0012	acm
MW835UP	Wind	HSPA+ 14.4/5.76	1ee8:0013	1ee8:0014	acm
MW836UP	Wind	HSPA+ 14.4/5.76	1ee8:0040	1ee8:003e	acm
MW875UP	Wind	HSPA+ 14.4/5.76	1ee8:0054	1ee8:0053	acm
PM1051		HSPA+ 14.4/5.76	1ee8:0007	1ee8:000b	acm
TM201	TIM	HSPA+ 14.4/5.76	1ee8:0063	1ee8:0064	acm
WM301	Wind	HSPA+ 21.6/5.76	1ee8:0068	1ee8:0069	acm

## Option Wireless

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
			05c6:1000	0af0:6901		0	-		serial	

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Globesurfer Icon 7.2		HSDPA 7.2/0.38				
Globetrotter Icon 31		HSDPA	0af0:c031	0af0:c031		hso
Globetrotter Icon 225		HSDPA 7.2/0.38	0af0:6911	0af0:6911		hso
Globetrotter Icon 225		HSDPA 7.2/0.38	0af0:6951	0af0:6951		hso
Globetrotter Icon 225		HSDPA 7.2/0.38	0af0:6971	0af0:6971		hso
Globetrotter Icon 321		HSPA 3.6/1.46	0af0:d031	0af0:d031		hso
Globetrotter Icon 322		HSPA 3.6/1.46	0af0:d033	0af0:d033		hso
Globetrotter Icon 401		HSDPA 7.2/2.0	0af0:7401	0af0:7401		hso
Globetrotter Icon 411	Vodafone	HSDPA 7.2/2.0	0af0:7501	0af0:7501		hso
Globetrotter Icon 431	Vodafone	HSDPA 7.2/2.0	0af0:7501	0af0:7501		hso
Globetrotter Icon 451		HSDPA 7.2 HSUPA 5.76	0af0:7701	0af0:7701		hso
Globetrotter Icon 451		HSDPA 7.2 HSUPA 5.76	0af0:7706	0af0:7706		hso
Globetrotter Icon 452		HSDPA 7.2/2.0	0af0:7901	0af0:7901		hso
Globetrotter Icon 461		HSDPA 7.2 HSUPA 5.76	0af0:7a01	0af0:7a01		hso
Globetrotter Icon 461	AT&T	HSDPA 7.2 HSUPA 5.76	0af0:7a05	0af0:7a05		hso
Globetrotter Icon 505		HSPA+ 14.4/5.76	0af0:d055	0af0:d055		hso
Globetrotter Icon 505		HSPA+ 14.4/5.76	0af0:d057	0af0:d057		hso
Globetrotter Icon 515m	Orange UK	HSPA+ 14.4/5.76	0af0:d157	0af0:d157		hso
Globetrotter Icon 643		HSPA+ 14.4/5.76	0af0:8700	0af0:8701		ecm <b>wip</b>

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Globetrotter Icon 701		0af0:c100	0af0:c100				hso	
Globetrotter Icon 711	HSPA+ 21.6/5.76	0af0:4007	0af0:4005	2	1		qmi	
Globetrotter Icon 1215	HSPA+ 14.4/5.76	0af0:d001	0af0:d255				hso	
Globetrotter Icon 1215	HSPA+ 14.4/5.76	0af0:d001	0af0:d257				hso	
Globetrotter Icon 1515	HSPA+ 14.4/5.76	0af0:d001	0af0:d157				hso	
Globetrotter Icon XY	HSDPA 7.2 HSUPA 5.76	0af0:8300	0af0:8300				hso	
GTM378	HSDPA 7.2/0.38	0af0:6901	0af0:6901			0	serial	mPCIe
GTM378E	HSDPA 7.2/0.38	0af0:6911	0af0:6911				hso	mPCIe
GTM380	HSDPA 7.2/2.0	0af0:7201	0af0:7201				serial	mPCIe
GTM380	HSDPA 7.2/2.0	0af0:7211	0af0:7211				hso	mPCIe
GTM380	HSDPA 7.2/2.0	0af0:7251	0af0:7251				hso	mPCIe
GTM380	HSDPA 7.2/2.0	0af0:7271	0af0:7271				hso	mPCIe
GTM382	HSDPA 7.2/2.0	0af0:7501	0af0:7501				hso	mPCIe
GTM382	HSDPA 7.2/2.0	0af0:7601	0af0:7601				hso	mPCIe
GTM382W	HSDPA 7.2/2.0	0af0:7601	0af0:7601				hso	mPCIe
GTM501	HSDPA 7.2 HSUPA 5.76	0af0:d035	0af0:d035				hso	bga module
GTM601	HSPA+ 14.4/5.76	0af0:8800	0af0:8800				hso	bga module
GTM609	HSPA+ 14.4/5.76	0af0:8800	0af0:8800				hso	bga module
GTM661	HSPA+ 14.4/5.76	0af0:9000	0af0:9000				hso	mPCIe
GTM669	HSPA+ 14.4/5.76	0af0:	0af0:					wip mPCIe
GTM671	HSPA+ 14.4/5.76	0af0:9200	0af0:9200				hso	mPCIe



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GTM679	HSPA+ 14.4/5.76	0af0:8900	0af0:8900					hso	mPCIe
GTM681W	HSPA+ 14.4/5.76	0af0:8120	0af0:8120	3	2	-	1	serial & qmi	mPCIe
GTM689W	HSPA+ 14.4/5.76	0af0:8121	0af0:8121	3	2	-	1	serial & qmi	mPCIe

Pirelli

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
8E4455	Digicom	HSDPA 7.2 HSUPA 5.76	1266:1000	1266:1009	2	0	3	1	serial	

Qualcomm

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
CM405	BSNL	CDMA 2000	05c6:1000	05c6:3197	-	0	-	1	serial	generic
DWM-151	D-Link	HSDPA 7.2 HSUPA 5.76	05c6:f000	05c6:9000	-	3	2	1	serial	
E-G03	Promate	CDMA 2000	05c6:3100	05c6:3100	-	0	-	-	acm	
E-G05	Promate	HSDPA 7.2 HSUPA 5.76	05c6:f000	05c6:9000	1	3	2	0	serial & qmi	
EC20	Quectel	LTE CAT3	05c6:9215	05c6:9215	2	3	-	0	serial & qmi	mPCIe
LM-75	Siptune	HSDPA 7.2 HSUPA 5.76	05c6:f000	05c6:9000	-	3	2	1	serial & qmi	
MM-5100	Maxon	CDMA 2000	05c6:3100	05c6:3100	-	0	-	-	acm	
MM-5500	Maxon	CDMA 2000	05c6:3196	05c6:3196	-	0	-	-	acm	
MMX 372G	Micromax	HSDPA 7.2 HSUPA 5.76	05c6:f000	05c6:9000	-	3	2	1	serial & qmi	
MV241	AxessTel	CDMA EV-DO	05c6:0010	05c6:00a0	2	0	-	1	serial	generic
P2000	Prolink	CDMA2000 1x	05c6:1000	05c6:6000	2	0	4	1	serial	generic
SEV-759	StrongRising	CDMA	05c6:1000	05c6:6000	2	0	4	1	serial	generic
SEV-859	StrongRising	CDMA	05c6:1000	05c6:6000	2	0	4	1	serial	generic
SG-75	Siemens	CDMA	05c6:1000	05c6:6000	2	0	4	1	serial	generic
SU-6500U	SpeedUP	CDMA 2000	05c6:1000	05c6:3197	-	0	-	1	serial	generic
SU-6600U	SpeedUP	CDMA 2000	05c6:1000	05c6:3197	-	0	-	1	serial	generic

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TR8881	Smartfren	CDMA	05c6:1000	05c6:6000	2	0	4	1	serial	generic
UC20	Quectel	HSPA+ 14.4/5.76	05c6:9003	05c6:9003	2	3	-	0	serial & qmi	mPCIe
UC128	Honest	CDMA	05c6:1000	05c6:6000	2	0	4	1	serial	generic
VT-80n	Venus	CDMA EV-DO	05c6:1000	05c6:6500	2	0	-	1	serial	generic

## Quanta

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
1K3M		TD-LTE 68.0/17.0	0408:ea25	0408:ea26	1	2	4	0	serial (& qmi)	generic
1K6E		LTE CAT3	0408:ea43	0408:ea45	-	-	2	-	rndis & ecm	wip
1KR		LTE CAT3	0408:ea17	0408:ea16	1	2	4	0	serial (& qmi)	generic
GKE		HSDPA 3.6	0408:f001	0408:ea05	2	0	4	1	serial	
GLE		HSDPA 3.6	0408:f001	0408:ea06	2	0	4	1	serial	
GLX		HSDPA 3.6	0408:f001	0408:ea04	2	0	4	1	serial	
M100-1	Megafone	LTE CAT3	0408:ea42	0408:ea42	2	3	0	1	serial & qmi	
MobileGenie		LTE CAT3	0408:ea43	0408:ea47	0	3	5	2	serial (& qmi)	generic
MU-Q101		HSDPA 3.6	0408:f000	0408:ea02	2	0		1	serial	generic
MU-Q110		HSDPA 3.6	0408:f000	0408:ea03	2	0	4	1	serial	
SU-8500U	SpeedUp	HSDPA 3.6	0408:f000	0408:ea03	2	0	4	1	serial	
SU-8500U	SpeedUp	HSDPA 3.6	0408:f001	0408:ea04	2	0	4	1	serial	
TS-1K6	Telsec	LTE CAT3	0408:ea43	0408:ea49	0	1	3	-	serial (& qmi)	generic

## Quectel

Model	Vendor	3G	Default Id	Modem Id	User	Modem	Storage	Diag	Protocol(s)	Comments
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		Standard			I-face	I-face	I-face	I-face		
EC21		LTE CAT1	2c7c:0121	2c7c:0121	2	3	-	0	serial & qmi	mPCIe
EC25		LTE CAT4	2c7c:0125	2c7c:0125	2	3	-	0	serial & qmi	mPCIe

## Shenzen Gongjing

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comment
AC327U	Netgear	HSDPA 7.2 HSUPA 5.76	2077:f000	2077:a003	1	3	2	0	serial	generic
CH690		CDMA EV-DO	2077:1000	2077:7001	1	0	3	2	serial	
DG-BA3370	Digisol	HSDPA 7.2 HSUPA 5.76	2077:f000	2077:9000	1	2			serial	generic
DG-BA3370	Digisol	HSDPA 7.2 HSUPA 5.76	2077:f000	2077:a000	1	2			serial	generic
DWM-155	D-Link	HSDPA 7.2 HSUPA 5.76	2077:f000	2077:9062	1	3			serial	generic
DWM-163	D-Link	CDMA EV-DO	05c6:1000	2077:7010	2	0			serial	generic
DWM-163	D-Link	CDMA EV-DO	2077:1000	2077:7010	2	0			serial	generic
DWM-168	D-Link	CDMA EV-DO	05c6:1000	2077:7011	2	0			serial	generic
DWM-168	D-Link	CDMA EV-DO	2077:1000	2077:7011	2	0			serial	generic
MV242	AxessTel	HSDPA 7.2 HSUPA 5.76	2077:1000	2077:8000	1	0	3	2	serial	generic
W-160	Nucom	HSDPA 7.2 HSUPA 5.76	2077:f000	2077:9000	1	2			serial	generic
W-260	Nucom	HSDPA 7.2 HSUPA	2077:f000	2077:a000	1	2			serial	generic

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		5.76							
WU168		HSDPA 7.2 HSUPA 5.76	2077:f000	2077:9000	1	2			serial generic

Sierra Wireless

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comment
AC250U	Sprint US	CDMA 1X, EV-DO	1199:0fff	1199:0301	3	4		1	sierra	
AC301U		HSDPA 7.2 HSUPA5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC302U		HSDPA 7.2 HSUPA5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC305U	AT&T US	HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC306U	Telus CA	HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC307U		HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC308U	AT&T	HSPA+ 21.6/5.76	1199:0fff	0f3d:68a3	3	4	9	1	sierra (& sierranet)	
AC308U		HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC309U	DNA	HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC310U	AT&T	HSPA+ 21.6/5.76	1199:0fff	0f3d:68a3	3	4	9	1	sierra (& sierranet)	
AC310U	Optus AU	HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC312U	Telstra AU	DC-HSPA+ 42.2/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC313U	AT&T US	LTE CAT3	1199:0fff	0f3d:68aa	3	4	9	1	sierra (& sierranet)	
AC318U	O2	HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC319U		DC-HSPA+ 42.2/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC320U	AT&T US	LTE CAT3	1199:0fff	0f3d:68aa	3	4	9	1	sierra (& sierranet)	
AC326U	TNZ NZ	HSPA+ 21.6/5.76	1199:0fff	1199:	3	4	9	1	sierra (& sierranet)	wip

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AC330U	AT&T US	LTE CAT3	1199:0fff	0f3d:68aa	3	4	9	1	sierra (& sierranet)	
AC340U	AT&T US	LTE CAT3	1199:9051	1199:9051	2	-	9	0	qmi & mbim	
AC341U		LTE CAT3	1199:9055	1199:9055	2	-	9	0	qmi	
AC341U		LTE CAT3	1199:9057	1199:9057	-	-	9	2	qmi	
AC402	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0027	3	4	9	1	sierra	expresscar pccard
AC501		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6880	3	4		1	sierra	expresscar
AC502		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6880	3	4		1	sierra	expresscar
AC503	Telstra AU	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	expresscar
AC504	AT&T US	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	expresscar
AC580	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0112	3	4		1	sierra	pccard
AC595	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0019	3	4		1	sierra	pccard
AC595U	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0120	3	4		1	sierra	usb dongle
AC597E	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0021	3	4		1	sierra	expresscar
AC598U	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0025	3	4		1	sierra	usb dongle
AC753S	Bigpond AU	DC-HSPA+ 42.2/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC753S	Telstra AU	DC-HSPA+ 42.2/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC754S	AT&T US	LTE CAT3	1199:0fff	1199:68aa	3	4	9	1	sierra (& sierranet)	
AC754S	Rogers US	LTE CAT3	1199:0fff	1199:68aa	3	4	9	1	sierra (& sierranet)	
AC760S	Bigpond AU	LTE CAT3	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC760S	Telstra AU	LTE CAT3	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
AC762S	AT&T US	LTE CAT3	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	

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AC763S	Bell US	LTE CAT3	1199:0fff	1199:68a3	3	4	-	1	sierra (& sierranet)	
AC770S	AT&T US	LTE CAT3	1199:9053	1199:9053			-		qmi & mbim	wip
AC771S	Sprint US	LTE CAT3	1199:9053	1199:9053			-		qmi & mbim	wip
AC875	Sprint US	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6820					sierra	pccard
AC875E	Sprint US	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6822					sierra	expresscard
AC875U	Sprint US	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6812					sierra	usb dongle
AC875U	Sprint US	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6821					sierra	usb dongle
AC880		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6850		0			sierra	pccard
AC880E		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6852		0			sierra	expresscard
AC880U		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6855		0			sierra	usb
AC881		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6851		0			sierra	pccard
AC881E		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6853		0			sierra	expresscard
AC881U		HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:6856		0			sierra	usb
AC885E		HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:6859		0			sierra	expresscard
AC885E		HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:685a		0			sierra	expresscard
AC890		HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	expresscard
C01SW	Softbank JP	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:6890		3			sierra	
C02SW	Softbank JP	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
Compass 597	Sprint US	CDMA EV-DO Rev.A	1199:0fff	1199:0023	3	4		1	sierra	
Compass 885		HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6880	3	4		1	sierra	
Compass 888		HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:6890	3	4		1	sierra	
Compass 889		HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	
EM5625			1199:0fff	1199:0017	3	4		1	sierra	M.2 NGFF

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		CDMA EV-DO Rev.A							
EM5725		CDMA EV-DO Rev.A	1199:0fff	1199:0022	3	4	1	sierra	M.2 NGFF
EM7305		LTE CAT3	1199:9041	1199:9041				qmi & mbim	M.2 NGFF
EM7305		LTE CAT3	1199:9063	1199:9063				qmi & mbim	M.2 NGFF
EM7330	JP	LTE CAT3	1199:	1199:				qmi & mbim	<b>wip</b> M.2 NGFF
EM7340		LTE CAT3	1199:a000	1199:a000				mbim	<b>wip</b> M.2 NGFF
EM7345		LTE CAT3	1199:a001	1199:a001				mbim	<b>wip</b> M.2 NGFF
EM7355		LTE CAT3 EV-DO Rev.A	1199:901f	1199:901f				qmi & mbim	M.2 NGFF
EM7430		LTE CAT6	1199:9071	1199:9071				qmi & mbim	M.2 NGFF
EM7455		LTE CAT6	1199:9071	1199:9071				qmi (&mbim)	M.2 NGFF
EM7455	Lenovo	LTE CAT6	1199:9079	1199:9079				qmi (&mbim)	M.2 NGFF
EM7700	AT&T US	LTE CAT3	1199:901c	1199:901c				mbim & qmi	module
EM8805		DC-HSPA+ 42.2/5.76	1199:9041	1199:9041				qmi & mbim	M.2 NGFF
MC5720		CDMA 1X, EV-DO	1199:0fff	1199:0018	3	4	1	sierra	mPCIe
MC5720		CDMA 1X, EV-DO	1199:0fff	1199:0218	3	4	1	sierra	mPCIe
MC5725		CDMA 1X, EV-DO	1199:0fff	1199:0020	3	4	1	sierra	mPCIe
MC5725		CDMA EV-DO Rev.A	1199:0fff	1199:0220	3	4	1	sierra	mPCIe
MC5727		CDMA EV-DO Rev.A	1199:0fff	1199:0024	3	4	1	sierra	mPCIe
MC5727		CDMA EV-DO Rev.A	1199:0fff	1199:0224	3	4	1	sierra	mPCIe
MC5728		CDMA EV-DO	1199:0fff	1199:0028	3	4	1	sierra	mPCIe

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		Rev.A									
MC7304		LTE CAT3	1199:68c0	1199:68c0						qmi	mPCIe
MC7305		LTE CAT3	1199:9041	1199:9041						qmi & mbim	mPCIe
MC7330	JP	LTE CAT3	1199:	1199:						qmi & mbim	<b>wip</b> mPCIe
MC7350		LTE CAT3 EV-DO Rev.A	1199:	1199:						qmi & mbim	<b>wip</b> mPCIe
MC7354		LTE CAT3 EV-DO Rev.A	1199:68c0	1199:68c0						qmi	mPCIe
MC7355		LTE CAT3	1199:9041	1199:9041						qmi & mbim	mPCIe
MC7430		LTE CAT6	1199:9071	1199:9071						qmi & mbim	mPCIe
MC7455		LTE CAT6	1199:9071	1199:9071						qmi & mbim	mPCIe
MC7700		LTE CAT3	1199:0fff	0f3d:68a2				9		qmi & mbim	mPCIe
MC7700		LTE CAT3	1199:0fff	1199:68a2				9		qmi & mbim	mPCIe
MC7710		LTE CAT3	1199:0fff	1199:68a2				9		qmi & mbim	mPCIe
MC7750		LTE CAT3	1199:0fff	1199:68a2						qmi	mPCIe
MC7750		LTE CAT3	1199:0fff	1199:68a9						qmi & mbim	mPCIe
MC7750		LTE CAT3	1199:0fff	114f:68a2						qmi	mPCIe
MC7770		LTE CAT3	1199:901b	1199:901b						qmi & mbim	mPCIe
MC8305		HSPA+ 14.4/5.76	1199:9011	1199:9011				2		qmi & mbim	mPCIe
MC8355		HSPA+ 14.4/5.76	1199:9013	1199:9013				2		qmi & mbim	mPCIe
MC8700		HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1		sierra (& sierranet)	mPCIe
MC8704		HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1		sierra (& sierranet)	mPCIe
MC8705		HSPA+ 21.6/5.76	1199:0fff	1199:68a3	3	4	9	1		sierra (& sierranet)	mPCIe
MC8705		HSPA+ 21.6/5.76	1199:0fff	1199:68a5	1	2	9			qmi & serial	mPCIe
MC8755		HSDPA 1.8/0.38	1199:0fff	1199:6802				0		sierra	mPCIe
MC8755		HSDPA 1.8/0.38	1199:0fff	1199:6804				0		sierra	mPCIe



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MC8755	HSDPA 1.8/0.38	1199:0fff	1199:6808					0	sierra	mPCIe
MC8765	HSDPA 1.8/0.38	1199:0fff	1199:6803					0	sierra	mPCIe
MC8765	HSDPA 1.8/0.38	1199:0fff	1199:6805					0	sierra	mPCIe
MC8765	HSDPA 1.8/0.38	1199:0fff	1199:6809					0	sierra	mPCIe
MC8775	HSDPA 3.6/0.38	1199:0fff	1199:6813					0	sierra	mPCIe
MC8775	HSDPA 3.6/0.38	1199:0fff	1199:6815					0	sierra	mPCIe
MC8775	HSDPA 3.6/0.38	1199:0fff	1199:6816					0	sierra	mPCIe
MC8775V	HSDPA 3.6/0.38	1199:0fff	1199:6812					0	sierra	mPCIe
MC8780	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6832					0	sierra	mPCIe
MC8780	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6834					0	sierra	mPCIe
MC8780	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6838					0	sierra	mPCIe
MC8781	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6833					0	sierra	mPCIe
MC8781	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6835					0	sierra	mPCIe
MC8781	HSDPA 7.2 HSUPA 2.1	1199:0fff	1199:6839					0	sierra	mPCIe
MC8785	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683a						sierra	mPCIe
MC8785V	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683b						sierra	mPCIe
MC8790	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683c						sierra (& sierranet)	mPCIe
MC8790V	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683c						sierra (& sierranet)	mPCIe
MC8791	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683d						sierra (& sierranet)	mPCIe
MC8792V	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683c						sierra (& sierranet)	mPCIe
MC8795V	HSDPA 7.2 HSUPA 5.76	1199:0fff	1199:683c						sierra (& sierranet)	mPCIe
MC8801	DC-HSPA+ 42.2/5.76	1199:0fff	1199:68a3	3	4	9	1	sierra (& sierranet)	mPCIe	

## SK Teletech

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comment
UML-295	Pantech	LTE CAT3	10a9:606f	10a9:6064		-	-		ecm	wip
UML-295	Pantech	LTE CAT3	10a9:606f	10a9:		-	-		rndis	wip
UML-295	Pantech	LTE CAT3	10a9:606f	10a9:6072		-	-		qmi	wip
MHS291LVW	Pantech	LTE	10a9:6080	10a9:6085					rndis	wip

## Sony Ericsson

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
EC400		HSDPA 7.2 HSUPA 2.0	0fce:d0df	0fce:d0df					acm	expresscard
EC400g		HSDPA 7.2 HSUPA 2.0	0fce:d0ee	0fce:d0ee					acm	expresscard
MD300		HSDPA 3.6/0.38	0fce:d0cf	0fce:d0cf					acm	
MD400		HSDPA 7.2 HSUPA 2.0	0fce:d0e1	0fce:d0e1					acm	
MD400G		HSDPA 7.2 HSUPA 2.0	0fce:d103	0fce:d103					acm	

## ST-Ericsson

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
ABS-T920			04cc:2251	04cc:2259					acm	
ABS-T930			04cc:225c	04cc:225c					acm	

## Techfaith

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comme
Aiko 81D		WCDMA	1d09:1021	1d09:1010	2	0		1	serial	generic

## Mobile\_Broadband

Flying Angel		HSDPA 7.2 HSUPA2.0	1d09:1025	1d09:1026	2	0
Flying Angel46		HSDPA 7.2	1d09:1025	1d09:1026	2	0
Flying Lark		HSDPA 7.2 HSUPA 2.0	1d09:1025	1d09:1026	2	0
Flying Lark46		HSDPA 3.6	1d09:1025	1d09:1026	2	0
LN-72	Leoxsys	HSDPA 7.2/0.38	1d09:1000	1d09:1010	2	0
SSW03A	DongHeXing	HSDPA 7.2	1d09:1025	1d09:1026	2	0
Venus VT-18		CDMA EV-DO	05c6:1000	1d09:4306	2	0

1	serial	generic
1	serial	generic
1	serial	generic
1	serial	generic
1	serial	generic
1	serial	generic
1	serial	generic

## Telit

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
DE910		CDMA EV-DO	1bc7:1010	1bc7:1010					acm	mPCIe
HE910		HSPA+ 21.6/5.76	1bc7:0021	1bc7:0021					acm	mPCIe
LE910		LTE CAT3	1bc7:1201	1bc7:1201					qmi	mPCIe
UE910v2		HSDPA 3.6	1bc7:1012	1bc7:1012					serial	wip bga module

## Toshiba

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
G450		HSDPA 7.2 HSUPA 5.76	0930:0d46	0930:0d45	2	0			serial	

## TP-Link

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
MA180		HSDPA 7.2 HSUPA 5.76	2357:0200	2357:0201	1	3	2	0	serial & qmi	

## Mobile\_Broadband

MA180	HSDPA 7.2 HSUPA 5.76	2357:0200	2357:0202	1	2	4	0	serial (& qmi)
MA180	HSDPA 7.2 HSUPA 5.76	2357:0200	2357:0203	1	2	3	0	serial
MA260	HSPA+ 21.6/5.76	2357:f000	2357:9000	1	3	2	0	serial & qmi

## Vertex Wireless

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
VWM100		CDMA EV-DO	05c6:1000	1fe7:0100		0			acm	mPCIe
VWM110		CDMA EV-DO	05c6:1000	1fe7:0100		0			acm	mPCIe
VWM150		CDMA EV-DO	05c6:1000	1fe7:0100		0			acm	mPCIe

## VIA Telecom

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
3G189C	Tenda	CDMA EV-DO	15eb:7153	15eb:7152	4	0	3	1	serial	generic
CE610	Haier	CDMA EV-DO	15eb:7153	15eb:7152	4	0	3	1	serial	generic

## Yuga

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
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## ZheJiang SEENSUN

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Comments
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Mobile\_Broadband

SEW838	Inovia	HSDPA 7.2	20a6:f00e	20a6:1105	2	0	3	1	serial
SEW858	Inovia	HSDPA 7.2	20a6:f00e	20a6:1105	2	0	3	1	serial
SEW868	Inovia	HSDPA 7.2	20a6:f00e	20a6:1105	2	0	3	1	serial
SEW898	Inovia	HSDPA 7.2	20a6:f00e	20a6:1105	2	0	3	1	serial
SEW959	Inovia	HSDPA 7.2	20a6:f00e	20a6:1105	2	0	3	1	serial
Speed 3.5G	Intex	HSDPA 7.2 HSUPA 5.76	20a6:f00e	20a6:1105	2	0	3	1	serial
TE W120	Haier	HSDPA 7.2 HSUPA 5.76	20a6:f00e	20a6:1105	2	0	3	1	serial
TE W130	Haier	HSPA+ 21.6/5.76	20a6:f00e	20a6:1106	2	0		1	serial

**ZTE**

Model	Vendor	3G Standard	Default Id	Modem Id	User I-face	Modem I-face	Storage I-face	Diag I-face	Protocol(s)	Com
3G-910	iFox	HSDPA 3.6/0.38	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
76E	Aiko	CDMA EV-DO	19d2:fff5	19d2:fffe	1	0	4	3	serial	
82D	Aiko	HSDPA 7.2/0.38	19d2:2000	19d2:0001	2	0	-	1	serial	
83D	Aiko	HSDPA 7.2/0.38	19d2:2000	19d2:0057	0	3	2	1	serial	
A353		WCDMA	19d2:0120	19d2:0079	2	0	4	1	serial	
A355		WCDMA	19d2:0120	19d2:0079	2	0	4	1	serial	
A356		WCDMA	19d2:0120	19d2:0079	2	0	4	1	serial	
A365		WCDMA	19d2:0120	19d2:0079	2	0	4	1	serial	
A371		WCDMA	19d2:0169	19d2:0170	0	1	3	2	serial	
AC560		CDMA EV-DO	19d2:0026	19d2:0094	2	0	4&5	1	serial	
AC580		CDMA EV-DO	19d2:0026	19d2:0094	2	0	4&5	1	serial	
AC581		CDMA EV-DO	19d2:0026	19d2:0094	2	0	4&5	1	serial	
AC582		CDMA EV-DO	19d2:0026	19d2:0152	2	0	5&6	1	serial	
AC583		CDMA EV-DO	19d2:0026	19d2:0152	2	0	5&6	1	serial	
AC682		CDMA EV-DO	19d2:ffde	19d2:ffdd	1	0		3	serial	gener

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AC2710		CDMA EV-DO	19d2:fff5	19d2:ffff	1	0	5	3	serial	
AC2726		CDMA EV-DO	19d2:fff5	19d2:fff1	1	0	5	3	serial	
AC2736		CDMA EV-DO	19d2:fff5	19d2:fff1	1	0	5	3	serial	
AC2737		CDMA EV-DO	19d2:fff5	19d2:fff1	1	0	5	3	serial	
AC2738	Reliance	CDMA EV-DO	19d2:fff5	19d2:ffe9	1	0		3	serial	
AC2746		CDMA EV-DO	19d2:fff5	19d2:fff1	1	0	5	3	serial	
AC2766		CDMA EV-DO	19d2:fff5	19d2:fff1	1	0	5	3	serial	
AC2787		CDMA EV-DO	19d2:fff5	19d2:fff1	1	0	5	3	serial	
AC2791	Reliance	CDMA EV-DO	19d2:fff5	19d2:fffe	1	0	4	3	serial	
AC3781	Cricket	CDMA EV-DO	19d2:fff5	19d2:ffe4	1	0		2	serial	gener
AC8700	Reliance	CDMA EV-DO	19d2:fff5	19d2:fffe	1	0	4	3	serial	
AC8710	Reliance	CDMA EV-DO	19d2:fff6	19d2:fff1	1	0	5	3	serial	
AC8710		CDMA EV-DO	19d2:fff5	19d2:ffff	1	0	5	3	serial	
AC8710T		CDMA EV-DO	19d2:ffff	19d2:ffff	1	0	-	3	serial	
AD3812		HSDPA 7.2/5.76	19d2:ffeb	19d2:ffeb	0	3	-	2	serial	mPCI
K2525-Z	Vodafone	EDGE	19d2:0040	19d2:0022	1	0			serial	
K3520-Z	Onda	HSDPA, WCDMA	19d2:2000	19d2:0055	4	2	5	3	serial & qmi	
K3563-Z	Vodafone		19d2:2000	19d2:0052	1	3	2&5	0	serial & qmi	
K3565-Z		HSDPA 3.6/0.38	19d2:2000	19d2:0052	1	3	2&5	0	serial & qmi	
K3565-Z	Vodafone	HSDPA 3.6/0.38	19d2:2000	19d2:0063	1	3	5	0	serial & qmi	
K3570-Z	Vodafone	HSDPA 3.6/0.38	19d2:1007	19d2:1008	1	3	-	0	serial & qmi	
K3571-Z	Vodafone	HSDPA 7.2/0.38	19d2:1009	19d2:1010	1	3	-	0	serial & qmi	
K3765-Z	Vodafone	HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:2002	1	3	5	0	serial & qmi	
K3770-Z	Vodafone	HSDPA 7.2 HSUPA 2.0	19d2:1175	19d2:1176	1	3		0	serial & qmi	

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K3772-Z	Vodafone	HSDPA 7.2 HSUPA 5.76	19d2:1179	19d2:1181	3+4	1+2	7	8+9	acm & ecm	
K3805-Z	Vodafone	HSPA+ 14.4/5.76	19d2:1001	19d2:1003	1	3			acm & ecm	
K3806-Z	Vodafone	HSPA+ 14.4/5.76	19d2:1013	19d2:1015	3+4	1+2	7	8+9	acm & ecm	
K4201-Z	Vodafone	HSPA+ 21.6/5.76	19d2:1022	19d2:1022	-	-	2	-	mbim	wip
K4201-Z	Vodafone	HSPA+ 21.6/5.76	19d2:1022	19d2:1023	-	-	-	-	rndis	wip
K4201-Z	Vodafone	HSPA+ 21.6/5.76	19d2:1022	19d2:1024	-	-	2	-	ecm	wip
K4201 I		HSPA+ 21.6/5.76	19d2:1237	19d2:0017	1	2	4	0	serial & qmi	
K4203-Z	Vodafone	HSPA+ 21.6/5.76	19d2:1046	19d2:1046	-	-	2	-	mbim	wip
K4203-Z	Vodafone	HSPA+ 21.6/5.76	19d2:1046	19d2:1047	-	-	-	-	rndis	wip
K4203-Z	Vodafone	HSPA+ 21.6/5.76	19d2:1046	19d2:1048	-	-	2	-	ecm	wip
K4505-Z	Vodafone	HSPA+ 21.6/5.76	19d2:0101	19d2:0104	1	3		0	serial & qmi	
K4510-Z	Vodafone	DC-HSPA+ 28.8/5.76	19d2:1171	19d2:1173	1	3		0	acm & ecm	
K4607-Z	Vodafone	DC-HSPA+ 42.2/5.76	19d2:1038	19d2:1039	-	-	-	-	rndis	wip
K4607-Z	Vodafone	DC-HSPA+ 42.2/5.76	19d2:1038	19d2:1040	-	-	2	-	ecm	wip
K5006-Z	Vodafone	LTE CAT3	19d2:1017	19d2:1018	1	2	4	0	serial & qmi	
K5008-Z	Vodafone	LTE CAT3	19d2:1030	19d2:1030	-	-	2	-	mbim	wip
K5008-Z	Vodafone	LTE CAT3	19d2:1030	19d2:1031	-	-	-	-	rndis	wip
K5008-Z	Vodafone	LTE CAT3	19d2:1030	19d2:1032	-	-	2	-	ecm	wip
MC503HSA	Onda	HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0037	1	3	2	0	serial	
MC2716		CDMA EV-DO	19d2:ffed	19d2:ffed	1	0	-	3	serial	mPCI
MC2718		CDMA EV-DO	19d2:ffe8	19d2:ffe8	1	0	-	3	serial	mPCI
MC5718		CDMA EV-DO	19d2:ffff	19d2:ffff	1	0	-	3	serial	mPCI
MDC502HS	Onda	HSDPA 7.2 HSUPA 3.6	19d2:2000	19d2:0002	4	2	-	3	serial & qmi	
MDC525UPA	Onda	HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0037	1	3	2	0	serial	
MF30			19d2:2000	19d2:0031	1	3	2	0	serial & qmi	

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		HSDPA 7.2 HSUPA 5.76								
MF60		HSPA+ 21.6/5.76	19d2:2000	19d2:1402	1	1	3	0	serial & qmi	
MF60		HSPA+ 21.6/5.76	19d2:2004	19d2:1402	1	1	3	0	serial & qmi	
MF61		HSPA+ 21.6/5.76	19d2:2000	19d2:1402	1	1	3	0	serial & qmi	
MF62		HSPA+ 21.6/5.76	19d2:2000	19d2:1402	1	1	3	0	serial & qmi	
MF66	True TH	HSPA+ 21.6/5.76	19d2:1225	19d2:1403	-	-	2	-	rndis	wip
MF70		HSPA+ 21.6/5.76	19d2:1225	19d2:1405	-	-	2	-	ecm	wip
MF79		LTE CAT4	19d2:1225	19d2:1403	-	-	2	-	rndis	wip
MF79		LTE CAT4	19d2:1225	19d2:1405	-	-	2	-	ecm	wip
MF80		DC-HSPA+ 42.2/5.76	19d2:2000	19d2:1402	1	1	3	0	serial & qmi	
MF90		LTE CAT3	19d2:0388	19d2:0447		-	-		rndis	wip
MF91D		LTE CAT3	19d2:0166	19d2:1426	1	-	3	0	qmi	
MF93E		LTE CAT3	19d2:1225	19d2:1403	-	-	2	-	rndis	wip
MF93E		LTE CAT3	19d2:1225	19d2:1405	-	-	2	-	ecm	wip
MF100		HSDPA 3.6/0.38	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF100		HSDPA 3.6/0.38	19d2:2000	19d2:0039	1	3	2	0	serial	
MF110		HSDPA 7.2 HSUPA 5.76	19d2:0053	19d2:0031	1	3	2	0	serial & qmi	
MF110	Movistar	HSDPA 7.2 HSUPA 5.76	19d2:0083	19d2:0124	1	4	6	0	serial & qmi	
MF110		HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0016	1	2	-	0	serial	
MF112		HSDPA 7.2 HSUPA 2.0	19d2:0103	19d2:0031	1	3	2	0	serial & qmi	
MF112		HSDPA 7.2 HSUPA 2.0	19d2:0103	19d2:0117	1	2	3	0	serial	
MF160J		WCDMA	19d2:1542	19d2:1544	3+4	1+2		5+6	acm	
MF170	Beeline RU	HSDPA 3.6/0.38	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF180		HSDPA 3.6/0.38	19d2:2000	19d2:0117	1	2	3	0	serial	
MF180	MTC	HSDPA 3.6/0.38	19d2:2000	19d2:2003	1	3	4	0	serial	
MF182		HSPA+ 21.6/5.76	19d2:1225	19d2:1405	-	-	2	-	ecm	wip



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MF190	O2	HSDPA 7.2 HSUPA 2.0	19d2:0083	19d2:0117	1	2	3	0	serial	
MF190		HSDPA 7.2 HSUPA 2.0	19d2:0149	19d2:0124	1	4	6	0	serial & qmi	
MF190		HSDPA 7.2 HSUPA 2.0	19d2:0149	19d2:0124	1	4	6	0	serial & qmi	
MF190	Tata Docomo	HSDPA 7.2 HSUPA 2.0	19d2:0154	19d2:1254	1	3	5	0	serial & qmi	
MF190	Cell C, SA	HSDPA 7.2 HSUPA 2.0	19d2:1224	19d2:0082	1	3	2	0	serial	
MF190		HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0017	1	2	4	0	serial & qmi	
MF190		HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0042	1	3	2	0	serial & qmi	
MF190J		HSPA+ 21.6/5.76	19d2:1536	19d2:1538	3+4	1+2		7+8	acm & ecm	
MF190J		HSPA+ 21.6/5.76	19d2:1542	19d2:1544	3+4	1+2		5+6	acm	
MF190S	Korea	HSPA WCDMA	19d2:0154	19d2:0108	1	3	4	0	serial	
MF192		HSPA+ 21.6/5.76	19d2:1216	19d2:1217	2+3	0+1	10	6+7	acm & ecm	
MF192		HSPA+ 21.6/5.76	19d2:1216	19d2:1218	3+4	1+2	9	7+8	acm	
MF192		HSPA+ 21.6/5.76	19d2:1514	19d2:1515	2+3	0+1	4	5+6	acm	
MF192		HSPA+ 21.6/5.76	19d2:1517	19d2:1519					acm	
MF195		HSPA+ 21.6/5.76	19d2:1210	19d2:1211	2+3	0+1		6+7	acm & ecm	
MF195		HSPA+ 21.6/5.76	19d2:1210	19d2:1212					acm	
MF195E		HSPA+ 21.6/5.76	19d2:1514	19d2:1515	2+3	0+1	4	5+6	acm	
MF195E		HSPA+ 21.6/5.76	19d2:1580	19d2:1582					acm & ecm	
MF196		HSPA+ 21.6/5.76	19d2:1528	19d2:1527	3+4	1+2	9	5+6	acm & ecm	
MF197		HSPA+ 14.4/5.76	19d2:1225	19d2:1405	-	-	2	-	ecm	wip
MF200		HSDPA 3.6/0.38	19d2:	19d2:			-		serial	wip mPCI
MF205		HSDPA 3.6/0.38	19d2:	19d2:			-		serial	wip mPCI
MF210		HSDPA 7.2/5.76	19d2:2003	19d2:2003	1	3	-	0	serial	mPCI

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MF210v1		HSDPA 7.2/5.76	19d2:0117	19d2:0117	1	2	-	0	serial	mPCI
MF210v2		HSDPA 7.2/5.76	19d2:2003	19d2:2003	1	3	-	0	serial	mPCI
MF212		HSDPA 7.2/5.76	19d2:2003	19d2:2003	1	3	-	0	serial	mPCI
MF220		HSPA+ 14.4/5.76	19d2:1300	19d2:1300	2	0	-	1	serial	mPCI
MF260		HSDPA 21.6/5.76	19d2:	19d2:			-		serial	wip mPCI
MF591	T-Mobile	HSPA+ 21.6/5.76	19d2:1523	19d2:1525	3+4	1+2	7		acm & ecm	
MF620		HSDPA 7.2/0.38	19d2:2000	19d2:0001	2	0	-	1	serial	
MF622		HSDPA 7.2/0.38	19d2:2000	19d2:0001	2	0	-	1	serial	
MF626		HSDPA 3.6/0.38	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF626	Onda	HSDPA 3.6/0.38	19d2:2000	19d2:0066	1	3	4	0	serial	
MF626	BSNL India	HSDPA 3.6/0.38	19d2:2000	19d2:0108	1	3	4	0	serial	
MF627		HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF627	AU	HSDPA 3.6/0.38	19d2:2000	19d2:0064	0	2	-	-	serial	
MF628		HSDPA 7.2/0.38	19d2:2000	19d2:0015	3	1	0	2	serial	
MF631		HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:2003	1	3	4	0	serial	
MF632		HSDPA 7.2 HSUPA 3.6	19d2:2000	19d2:0002	4	2	-	3	serial & qmi	
MF633		HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF636	Telstra AU	HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF636DB	Orange UK	HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0033	1	4	-	0	serial	
MF637	Orange FR	HSDPA 7.2 HSUPA 5.76	19d2:0110	19d2:0121	1	4	6	0	serial & qmi	
MF637U		HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0002	4	2	-	3	serial & qmi	
MF638		HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0037	1	3	2	0	serial	
MF645		HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0086	1	3	2	0	serial	

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MF651		HSPA+ 14.4/5.76	19d2:0115	19d2:0116	3+4	1+2	7		acm & ecm	
MF652		HSPA+ 14.4/5.76	19d2:1520	19d2:0142	2+3	0+1	6	7+8	acm & ecm	
MF652	3AT	HSPA+ 14.4/5.76	19d2:1520	19d2:1522	3+4	1+2	7		acm & ecm	
MF656		HSPA+ 14.4/5.76	19d2:0150	19d2:						
MF662		HSPA+ 21.6/5.76	19d2:2000	19d2:0017	1	2	4	0	serial & qmi	
MF667		HSPA+ 21.6/5.76	19d2:1225	19d2:1405	-	-	2	-	ecm	wip
MF667	3 IT	HSPA+ 21.6/5.76	19d2:1232	19d2:1268	1	3	5	0	serial (& qmi)	
MF667		HSPA+ 21.6/5.76	19d2:1233	19d2:1270	1	3	5	0	serial & qmi	
MF667C	AIS TH	HSPA+ 21.6/5.76	19d2:2000	19d2:0117	1	2	4	0	serial	
MF668	CellC SA	HSPA+ 21.6/5.76	19d2:1224	19d2:0082	1	3	2	0	serial	
MF668		HSPA+ 21.6/5.76	19d2:2000	19d2:0017	1	2	4	0	serial & qmi	
MF668		HSPA+ 21.6/5.76	19d2:2000	19d2:0082	1	3	2	0	serial	
MF668A		HSPA+ 21.6/5.76	19d2:0150	19d2:0124	1	4	6	0	serial & qmi	
MF668A	Telstra	HSPA+ 21.6/5.76	19d2:2000	19d2:0031	1	3	2	0	serial & qmi	
MF669		HSPA+ 21.6/5.76	19d2:1227	19d2:1252	1	3	5	0	serial & qmi	
MF680		DC-HSPA+ 42.2/5.76	19d2:0150	19d2:0124	1	4	6	0	serial & qmi	
MF680		DC-HSPA+ 42.2/5.76	19d2:2000	19d2:0017	1	2	4	0	serial & qmi	
MF683		DC-HSPA+ 42.2/5.76	19d2:2000	19d2:0157	1	4	6	0	serial & qmi	
MF691	T-Mobile	HSPA+ 21.6/5.76	19d2:1201	19d2:1203	3+4	1+2	7		acm & ecm	
MF710		HSPA+ 21.6/5.76	19d2:1588	19d2:1589	3	2	6	5	serial & ecm	
MF710	Viettel VN	HSPA+ 21.6/5.76	19d2:1595	19d2:1592	3	2	6	5	serial & ecm	
MF710	Viettel VN	HSPA+ 21.6/5.76	19d2:1595	19d2:1600	3	2	6	5	serial & mbim	
MF710M		HSPA+ 21.6/5.76	19d2:1420	19d2:1403	-	-	2	-	rndis	wip

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MF710M		HSPA+ 21.6/5.76	19d2:1420	19d2:1405	-	-	2	-	ecm	wip
MF730M		DC-HSPA+ 42.2/11.5	19d2:1420	19d2:1403	-	-	2	-	rndis	wip
MF730M		DC-HSPA+ 42.2/11.5	19d2:1420	19d2:1405	-	-	2	-	ecm	wip
MF820D		LTE CAT3	19d2:0166	19d2:0167	2	3	5	0	serial & qmi	
MF820S		LTE CAT3	19d2:0198	19d2:0199	0	2	-	3	qmi	
MF821	Telstra	LTE CAT3	19d2:0166	19d2:0257	1	2	4	0	serial & qmi	
MF821D		LTE CAT3	19d2:0166	19d2:0167	2	3	5	0	serial & qmi	
MF821D	O2	LTE CAT3	19d2:0325	19d2:0326	1	3	5		serial & qmi	
MF821D	Telenor No	LTE CAT3	19d2:0304	19d2:0349	-	-	2		ecm	wip
MF822		LTE CAT3	19d2:	19d2:						wip
MF823		LTE CAT3	19d2:1225	19d2:1403	-	-	2	-	rndis	wip
MF823		LTE CAT3	19d2:1225	19d2:1405	-	-	2	-	ecm	wip
MF823		LTE CAT3	19d2:1257	19d2:1257	-	-	2	-	mbim	wip
MF823		LTE CAT3	19d2:1257	19d2:1405	-	-	2	-	ecm	wip
MF825A	Airtel	LTE CAT3	19d2:1225	19d2:1403	-	-	2	-	rndis	wip
MF825A	Airtel	LTE CAT3	19d2:1225	19d2:1408	-	-	2	-	ecm	wip
MF825A	AirTel	LTE CAT3	19d2:1238	19d2:0017	1	2	4	0	serial & qmi	
MF826		LTE CAT3	19d2:0318	19d2:0317	2	1	-	0	serial (& qmi)	
MF826		LTE CAT3	19d2:0318	19d2:0330	1	2	-	0	serial (& qmi)	
MF827		LTE CAT3	19d2:0388	19d2:0387	-	-	2	-	ecm	wip
MF831		LTE CAT4	19d2:1225	19d2:1403	-	-	2	-	rndis	wip
MF833V		LTE CAT3	19d2:1421	19d2:1428	1	-	3	0	qmi	
MF880		LTE CAT3	19d2:0166	19d2:0284	1	3	5		serial & qmi	
MH600HS	Onda	HSDPA 7.2/0.38	19d2:2000	19d2:0001	2	0	-	1	serial	
MSA190UP	Onda	HSUPA	19d2:2000	19d2:0091	1	4	3	0	serial (& qmi)	
MSA405HS	Onda	HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0037	1	3	2	0	serial	
MSA501HS	Onda	HSDPA 7.2 HSUPA 2.0	19d2:2000	19d2:0037	1	3	2	0	serial	
MT191UP	Onda	HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0037	1	3	2	0	serial	
MT503HS	Onda	HSUPA	19d2:2000	19d2:0033	1	4	-	0	serial	
MT503HSA	Onda	HSUPA	19d2:2000	19d2:0024	4	2	-	3	serial (& qmi)	
MT505UP	Onda	HSUPA	19d2:2000	19d2:0015	3	1	0	2	serial	
MT505UP	Onda	HSUPA	19d2:2000	19d2:0016	1	2	-	0	serial	

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MT505UP	Onda	HSUPA	19d2:2000	19d2:0017	1	2	4	0	serial & qmi	
MT505UP	Onda	HSUPA	19d2:2000	19d2:0037	1	3	2	0	serial	
MT505UP	Onda	HSUPA	19d2:2000	19d2:0052	1	3	2	0	serial & qmi	
MT505UP	Onda	HSUPA	19d2:2000	19d2:0055	4	2	5	3	serial & qmi	
MT505UP	Onda	HSPA WCDMA	19d2:2000	19d2:0108	1	3	4	0	serial	
MT512HS	Onda	HSDPA 7.2 HSUPA 3.6	19d2:2000	19d2:0002	4	2	-	3	serial & qmi	
MT689DC	Onda	DC-HSPA+ 42.2/5.76	19d2:2000	19d2:0019	2	3	5	0	serial & qmi	
MT8205	Onda	LTE CAT3	19d2:0266	19d2:0265	2	3	5	0	serial & qmi	
MU330		TD HSDPA	19d2:0090	19d2:0034	1+2	3+4			acm	
MU350		TD-SCDMA	19d2:0003	19d2:0003	2	0	4	1	serial	
MU351		TD-SCDMA	19d2:0003	19d2:0003	2	0	4	1	serial	
MW191UP	Onda	HSDPA 7.2 HSUPA 5.76	19d2:2000	19d2:0016	1	2	-	0	serial	
PHS101	Prolink	HSDPA 3.6	19d2:2000	19d2:0151	1	2	3	0	serial	
PHS300	Prolink	HSDPA 7.2 HSUPA 5.76	19d2:	19d2:1253	1	3	4	0	serial	
PHS600	Prolink	HSPA+ 21.6/5.76	19d2:	19d2:1253	1	3	4	0	serial	
R203-z	Vodafone	HSPA+ 14.4/5.76	19d2:1019	19d2:1021	1	-	-	0	qmi	
R203-z	Vodafone	HSPA+ 14.4/5.76	19d2:1020	19d2:1021	1	-	-	0	qmi	
R206-z	Vodafone	HSPA+ 21.6/5.76	19d2:1034	19d2:1035	-	-	-	-	rndis	wip
R206-z	Vodafone	HSPA+ 21.6/5.76	19d2:1034	19d2:1036	-	-	-	-	rndis	wip
R206-z	Vodafone	HSPA+ 21.6/5.76	19d2:1034	19d2:1037	-	-	-	-	rndis	wip
R209-z	Vodafone	DC-HSPA+ 42.2/5.76	19d2:1042	19d2:1043	-	-	-	-	rndis	wip
R212	Vodafone	LTE CAT3	19d2:1026	19d2:1027	-	-	-	-	rndis	wip
R212	Vodafone	LTE CAT3	19d2:1026	19d2:1028	-	-	-	-	rndis	wip
R212	Vodafone	LTE CAT3	19d2:1026	19d2:1029	-	-	-	-	rndis	wip
R216-z	Vodafone	LTE CAT4	19d2:	19d2:	-	-	-	-	rndis	wip