

Telstra IoT/M2M Certified Embedded Modules and Integrated Devices

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Overview

Listed below are the Cellular Embedded Modules and Integrated Devices that have been certified for use on the Telstra Mobile Network. The devices in this list have passed [Telstra's IoT/M2M Interoperability Testing Program](#) as meeting Telstra's mandatory criteria and guidelines.

Telstra IoT/M2M device interoperability testing is a cellular network certification and validation process carried out on cellular IoT/M2M devices to ensure that they are interoperable with Telstra's mobile network. Telstra strongly recommends module and device manufacturers certify their IoT/M2M devices on Telstra network to ensure optimum network performance.

Telstra publishes a [Wireless Developer and Application Guideline](#) that provides an overview of how to best develop an application that works efficiently on the Telstra mobile network.

In October 2019, Telstra announced the [shut down of the 3G network in June 2024](#). Telstra requires all new IoT/M2M cellular capable devices to support 4G-LTE or 5G and VoLTE if voice is required, 4G-LTE presents several unique technological improvements that provide significant benefits to IoT/M2M implementations such as much greater network capacity and efficiency, and greater in-building penetration when 4GX Band 28 is supported.

Any device must support these coverage bands as a minimum (see [Telstra's IoT network coverage map](#)):

- 5G: n78, n7,n28, n5
- 4G-LTE: Band 7 and Band 28

Integrated devices using a certified module must incorporate the Telstra certified firmware version on the module. Likewise, customers using Telstra certified devices must ensure you're on the Telstra certified module and device firmware version. This step is crucial to guarantee seamless interoperability between the device and the network. The OEM will be able to provide you the Telstra certified FW versions.

All modules and devices certified via Telstra's IoT/M2M Certification Program must support remote firmware upgrade capability.

For questions and certification requests please contact telstrawirelessm2mhardware@team.telstra.com

Certified Embedded Modules

Vendor	Model Number	Type	Network Support	VoLTE Support
5G Modules				
Fibocom	FM350GL	Embedded module	5G + 4GX + 3G	No
[NEW] Fibocom	FG360-EAU-11	Embedded module	5G + 4GX + 3G	Yes
[NEW] Fibocom	FM160-EAU	Embedded module	5G + 4GX + 3G	Yes
Foxconn	T99W175	Embedded module	5G + 4GX + 3G	No
Quectel	RM500Q-AE	Embedded module	5G + 4GX + 3G	No
Quectel	RM502Q-AE	Embedded module	5G + 4GX + 3G	No
Quectel	RM505Q-AE	Embedded module	5G + 4GX + 3G	No
Quectel	RM520N-GL	Embedded module	5G + 4GX + 3G	No
Quectel	RG520N-EU	Embedded module	5G + 4GX + 3G	No
Sierra Wireless	EM9190	Embedded module	5G + 4GX + 3G	No
Sierra Wireless	EM9191	Embedded module	5G + 4GX + 3G	No
Telit	FN980	Embedded module	5G + 4GX + 3G	No
Thales	MV31-W	Embedded module	5G + 4GX + 3G	No
LTE CAT 18				
Foxconn	T77W980	Embedded module	4GX + 3G	No
Quectel	EG18-EA	Embedded module	4GX + 3G	No
Sierra Wireless	EM7690	Embedded module	4GX + 3G	No
LTE CAT 16				
Foxconn	T77W968	Embedded module	4GX + 3G	No
Fibocom	L860-GL L860-GL-16	Embedded module	4GX + 3G	No
Thales	MLP31-W	Embedded module	4GX + 3G	No
Telit	LM960	Embedded module	4GX + 3G	No

LTE CAT 13				
Quectel	EP06-E	Embedded module	4GX + 3G	Yes
Quectel	EG06-E	Embedded module	4GX + 3G	Yes
Quectel	EM06-E	Embedded module	4GX + 3G	Yes
Quectel	EG06-AUTL	Embedded module	4GX	Yes
[NEW] Sierra Wireless	EM7590	Embedded module	4GX + 3G	No
LTE CAT 12				
Fibocom	FM101-GL-12	Embedded module	4GX + 3G	No
Quectel	EM12-G	Embedded module	4GX + 3G	Yes
Quectel	AG525R-GL	Embedded module	4GX + 3G	Yes
[NEW] Telit	LN920A12-WW	Embedded module	4GX + 3G	No
Sierra Wireless	EM7565	Embedded module	4GX + 3G	No
LTE CAT 11				
Telit	LM940	Embedded module	4GX + 3G	No
LTE CAT 9				
Foxconn	T77W676	Embedded module	4GX + 3G	No
Foxconn	T77W968	Embedded module	4GX + 3G	No
Fibocom	L850-GL	Embedded module	4GX + 3G	No
LTE CAT 6				
Gemalto	PLAS9-W	Embedded module	4GX + 3G	No
Rolling Wireless	AR7598	Embedded module	4GX + 3G	Yes
Sierra Wireless	MC7430 EM7430	Embedded module	4GX + 3G	No
[NEW] Telit	LN920A6-WW	Embedded module	4GX + 3G	No
Titan Automotive Solutions	LE940B6-BW	Embedded module	4GX + 3G	No

LTE CAT 4				
Fibocom	SQ808-EAU	Embedded module	4GX	Yes
Fibocom	SS808-EAU	Embedded module	4GX	No
Foxconn	T77W595	Embedded module	4GX + 3G	No
Quectel	EC21-AUX	Embedded module	4GX + 3G	No
Quectel	EC21-AUX MINIPCIE	Embedded module	4GX + 3G	No
Quectel	EC25-AU	Embedded module	4GX + 3G	Yes
Quectel	EC25-AU MINIPCIE	Embedded module	4GX + 3G	Yes
Quectel	EC25-AUTL	Embedded module	4GX	Yes
[NEW] Quectel	EM05-G	Embedded module	4GX + 3G	No
Quectel	EG95-AUX	Embedded module	4GX + 3G	Yes
Quectel	EG25-G EG25-G MINIPCIE	Embedded module	4GX + 3G	No
Quectel	SC20-AU	Embedded module	4GX + 3G	No
[NEW] Quectel	SC200R-EM	Embedded module	4GX + 3G	No
Quectel	SC600T-EM	Embedded module	4GX	No
Quectel	SC600Y-EM	Embedded module	4GX	No
SIMCom	SIM7600G-H SIM7600G-H mPCIe	Embedded module	4GX	Yes
Sierra Wireless	HL7549	Embedded module	4GX	No
[NEW] Sierra Wireless	RC7620	Embedded module	4GX + 3G	Yes
Sierra Wireless	WP7609	Embedded module	4GX + 3G	Yes
Telit	LE910C4-AP LE910C4-AP-mPCIe	Embedded module	4GX	No
Telit	LE910-AU V2	Embedded module	4GX	No
Thales	PLS83-W PLS83-EP	Embedded module	4GX + 3G	Yes

LTE CAT 3				
Sierra Wireless	MC7304/5	Embedded module	4G + 3G	No
LTE CAT 1				
Fibocom	MC116-EUL	Embedded module	4GX + 3G	No
Gemalto	ELS61-AUS	Embedded module	4GX + 3G	No
Quectel	EC21-AUT	Embedded module	4GX + 3G	No
Quectel	EC21-AU	Embedded module	4GX + 3G	Yes
Quectel	EC21-AU mini PCIe	Embedded module	4GX + 3G	Yes
Quectel	EG91-AUX	Embedded module	4GX + 3G	No
Quectel	EG91-EX	Embedded module	4GX + 3G	Yes
Sierra Wireless	HL7650	Embedded module	4GX + 3G	No
[NEW] Sierra Wireless	RC7620-1	Embedded module	4GX + 3G	Yes
SIMCom	SIM7600SA	Embedded module	4GX + 3G	Yes
SIMCom	SIM7500SA	Embedded module	4GX + 3G	Yes
Telit	LE910C1-AP LE910C1-AP-mPCIe	Embedded module	4GX + 3G	Yes
[NEW] Telit	LE910C1-APX	Embedded module	4GX	Yes
Thales	PLS63-W PLS63-EP	Embedded module	4GX + 3G	Yes
LTE CAT M1				
Fibocom	MA510-GL	Embedded Module	4GX	No
Murata	LBAD0XX1SC-DM	Embedded Module	4GX	No
Neoway	N27-W3	Embedded Module	4GX	No
Nordic Semiconductor	nRF9160-SICA	Embedded Module	4GX	No
Quectel	BG95-M5	Embedded Module	4GX	No
Quectel	BG95-M6	Embedded Module	4GX	No
Quectel	BG96 - R1.2, R1.1	Embedded Module	4GX	No

Quectel	BG96 mini PCIe	Embedded Module	4GX	No
[NEW] Quectel	BG950A-GL BG951A-GL BG952A-GL BG770A-GL BG772A-GL	Embedded Module	4GX	No
SIMCom	SIM7000E	Embedded Module	4GX	No
Sierra Wireless	HL7749	Embedded Module	4GX	No
Sierra Wireless	HL7800-M	Embedded Module	4GX	No
Sierra Wireless	HL7800	Embedded Module	4GX	No
Sequans	GM01Q	Embedded Module	4GX	No
Sequans	GM02S	Embedded Module	4GX	No
Telit	ME910C1-AU	Embedded Module	4GX	No
Telit	ME910C1-WW	Embedded Module	4GX	No
Telit	ME910G1-WW	Embedded Module	4GX	No
Telit	ME310G1-WW	Embedded Module	4GX	No
Telit	ME310G1-W3	Embedded Module	4GX	No
Telit	ME910C1-P1	Embedded Module	4GX	No
Thales	TX62-W-B	Embedded Module	4GX	No
U-Blox	SARA-R410M-02B	Embedded Module	4GX	No
U-Blox	SARA-R410M-83B	Embedded Module	4GX	No
U-Blox	SARA-R510M8Sv1	Embedded Module	4GX	No
U-Blox	SARA-R510Sv1	Embedded Module	4GX	No
U-Blox	SARA-R500Sv1	Embedded Module	4GX	No
Narrowband IoT				
Fibocom	MA510-GL	Embedded Module	NB1	No
Murata	LBAD0XX1SC-DM	Embedded Module	NB1	No
Nordic Semiconductor	nRF9160-SICA	Embedded Module	NB2	No

Quectel	BG96	Embedded Module	NB1	No
Quectel	BC95-G	Embedded Module	NB1	No
Quectel	BC68	Embedded Module	NB1	No
Quectel	BC66	Embedded Module	NB1	No
Quectel	BG95-M5	Embedded Module	NB2	No
Quectel	BG95-M6	Embedded Module	NB2	No
[NEW] Quectel	BG950A-GL BG951A-GL BG952A-GL BG770A-GL BG772A-GL	Embedded Module	NB1	No
Quectel	BC660K-GL	Embedded Module	NB2	No
SIMCom	SIM7020G	Embedded Module	NB1	No
Sierra Wireless	HL7800	Embedded Module	NB1	No
Telit	ME910C1-AU	Embedded Module	NB1	No
Telit	ME910C1-WW	Embedded Module	NB1	No
Telit	ME910G1-WW	Embedded Module	NB2	No
Telit	ME310G1-WW	Embedded Module	NB2	No
Telit	NE310L2-W1	Embedded Module	NB2	No
Thales	TX62-W-B	Embedded Module	NB2	No
U-Blox	SARA-R410M-83B	Embedded Module	NB1	No

Certified Integrated Devices

Category	Vendor	Model Number	Network Support
Gateway	Robustel	R1500-4L, R1510L-4L-A03AU, R1510-4L, R1511-4L-A03AU-A, R1511-4L- A03AU-B	4GX + 3G, CAT4
Industrial Data Modem	EDMI	ECM510	LTE CAT M1
Alarm Signalling Equipment	Johnson Controls	Centaur II Cat-M1 4G ASE	LTE CAT M1
Alarm Signalling Equipment	Johnson Controls	Centaur II Dual 4G ASE	4GX+3G, CAT 1
Asset Tracking	Fleet Complete	AT1 Battery AT1 Solar AT1 Wired	LTE CAT M1
Asset Tracking	Fleet Complete	AT6 4G	LTE Cat M1
Asset Tracking	Inseego	TR100	LTE Cat M1
Asset Tracking	LX Group	TLS-4102G	LTE Cat M1
Asset Tracking	Positioning Universal Inc.	TT603-LM0Q-TE	LTE CAT M1
Building resources monitoring device	Buddy	Buddy Ohm 100	4GX+3G,CAT 4
Development Board	Arduino	MKR NB 1500	LTE CAT M1
Gateway	Accelerated	6300-CX05	4GX+3G, CAT6
Gateway	Beam Communications	MG400	4GX + 3G, CAT13
Gateway	CASA Systems	NTC-140-02	4G + 3G, CAT3
Gateway	Casa Systems	NTC-221	4GX+3G, CAT1
Gateway	CASA Systems	NTC-402	4GX + 3G, CAT6
Gateway	Cisco	C819-4G-GA-K9	4G + 3G, CAT3
Gateway	Cisco	C819GW-LTE-LA-NK9	4GX + 3G, CAT4

Category	Vendor	Model Number	Network Support
Gateway	Cisco	C819-LTE-LA-K9	4GX + 3G, CAT4
Gateway	Cisco	EHWIC-4G-LTE-AU / 1921 / 2901	4G + 3G, CAT3
Gateway	Cisco	EHWIC-4G-LTE-LA / 1921 / 2901	4GX + 3G, CAT6
Gateway	Cisco	IR809G-LTE-LA-K9 IR809G-LTE-GA-K9	4GX + 3G, CAT4
Gateway	Cisco	IR829GW-LTE-GA-ZK9 IR829GW-LTE-LA-ZK9	4G + 3G, CAT3
Gateway	Cisco	ISR1100 C1117-4PLTELAWZ C1111-8PLTELA C1111-4PLTELA C1117-4PLTELA C1111-8PLTELAWZ	4GX + 3G, CAT6
Gateway	Cisco	NIM-4G-LTE-GA / ISR4K	4G + 3G, CAT3
Gateway	Cisco	P-LTEA-LA	4GX + 3G, CAT6
Gateway	Cisco	P-LTEAP18-GL	4GX + 3G, CAT16
Gateway	Cisco	MG41-HW MG41E-HW	4GX + 3G, CAT16
[NEW] Gateway	Cisco	MG51-HW MG51E-HW	5G + 4G
[NEW] Gateway	Cisco	CG522-E	5G + 4GX + 3G
Gateway	Cradlepoint	AER2200-600M IBR1700-600M IBR900-600M	4GX + 3G, CAT11
Gateway	Cradlepoint	IBR1100/1150	4G + 3G, CAT3
Gateway	Cradlepoint	IBR900/950	4GX + 3G, CAT6
Gateway	Cradlepoint	W2005-5GB	5G + 4GX + 3G

Category	Vendor	Model Number	Network Support
Gateway	Cradlepoint	E300-5GB E3000-5GB	5G + 4GX + 3G
Gateway	Cradlepoint	R1900-5GB	5G + 4GX + 3G
Gateway	Cradlepoint	W2000-5GA W2005-5GA	5G + 4GX
[NEW] Gateway	Cradlepoint	W1850-5GB	5G + 4GX + 3G
[NEW] Gateway	Cradlepoint	L950-C7B	4GX + 3G, Cat13
[NEW] Gateway	Fortinet	FortiExtender511F	5G + 4GX + 3G
Gateway	Meraki	MX67C	4GX + 3G, CAT6
Gateway	Meraki	MX68CW	4GX + 3G, CAT6
Gateway	Movus	Movus FitMachine Gateway	LTE Cat M1
Gateway	Palo Alto Network	1200-C5G-WW	5G + 4GX + 3G
Gateway	Palo Alto Network	ION 1200-C-5G-WW	5G + 4GX + 3G
Gateway	Sierra Wireless	AirLink XR80 5G WIFI AirLink XR80 5G	5G + 4GX + 3G
[NEW] Gateway	Sierra Wireless	LX60 LX40	4GX + 3G, CAT 4
Gateway	Robustel	R2110-4L	4GX + 3G, CAT 6
Gateway	Sierra Wireless	GX450	4G + 3G, CAT 3
Gateway	Sierra Wireless	MG90 LTE-A Pro Global	4GX+3G,CAT 12
Gateway	Sierra Wireless	MP70	4GX + 3G, CAT6
Gateway	Sierra Wireless	RV50x	4GX + 3G, CAT6
Gateway	Sierra Wireless	RV55	4GX+3G, CAT 12
Gateway	UHS	UC-400T	4G + 3G, CAT3
Gateway	UHS	UC-440T	4GX+3G, CAT6
Gateway	VeloCloud	510-LTE	4GX+3G, CAT6
Gateway	VMWare	SD-WAN Edge 610 LTE	4GX + 3G, CAT 12

Category	Vendor	Model Number	Network Support
Industrial Data Modem	Aetheros	ESR-ME	LTE CAT M1
Industrial Data Modem	CASA Systems	NTC-100	LTE CAT M1
Industrial Data Modem	EDMI	ECM500	CAT M1
Industrial Data Modem	EDMI	EWM410	4GX + 3G,CAT 1
Industrial Data Modem	EDMI	TLM400	LTE Cat M1
Industrial Data Modem	ETM	Purple2 4G-AUS	4GX + 3G, CAT1
Industrial Data Modem	IntelliDesign	LIM400E	4GX + 3G, CAT1
Industrial Data Modem	IntelliDesign	LIM-505	LTE Cat M1
Industrial Data Modem	Intercel	SAM4-Q	4GX + 3G, CAT1
Industrial Data Modem	Intercel	SAMXT	LTE CAT M1 + NB-IoT
Industrial Data Modem	Landis + Gyr	E35C LTEM	LTE CAT M1
Industrial Data Modem	Landis + Gyr	E36C-LTEM	LTE CAT M1
Industrial Data Modem	Landis + Gyr	E450 S1100	LTE CAT M1
Industrial Data Modem	Landis+Gyr	E35C-LTE1	4GX+3G,CAT 1
Industrial Data Modem	Landis+Gyr	E420 S11LA	LTE CAT M1
Industrial Data Modem	Sierra Wireless	ELM400	LTE Cat M1
Industrial Data Modem	Sierra Wireless	ELM410	LTE CAT M1
Industrial Data Modem	Sierra Wireless	FX30/FX30S	LTE CAT M1
Payment Terminal	Ingenico	AXIUM DX8000	4GX + 3G,CAT4
Payment Terminal	Verifone	CM5P	4GX + 3G,CAT4
Payment Terminal	Verifone	T650P	4GX + 3G,CAT4
Remote Data Logger	Arable Labs Inc	Mark II	LTE Cat M1
Remote Data Logger	LX Group	BN31M1U	LTE CAT M1
Remote Data Logger	Kallipr	Captis Metrum	LTE CAT M1 +NB-IoT
Remote Data Logger	Kallipr	Captis Multi	LTE CAT M1 +NB-IoT

Category	Vendor	Model Number	Network Support
Remote Data Logger	Kallipr	Captis Power+	LTE CAT M1 + NB-IoT
Remote Data Logger	Kallipr	Captis Pulse	LTE CAT M1 + NB-IoT
Remote Data Logger	Kallipr	Captis Pulse Lite/ Captis Pulse Lite External Antenna	LTE CAT M1 + NB-IoT
Remote Data Logger	Kallipr	Captis Solar EA	LTE CAT M1 + NB-IoT
Remote Data Logger	Kallipr	Captis Recharge v1.2	LTE CAT M1 + NB2
Remote Data Logger	Intercel	SAMXQ95	LTE CAT M1
Rugged PDA / Scanner	Honeywell	CN80	4GX + 3G, CAT13, VoLTE
Rugged PDA / Scanner	Honeywell	CT40	4GX + 3G, CAT13, VoLTE
Rugged PDA / Scanner	Honeywell	CT50	4GX + 3G, CAT4
Rugged PDA / Scanner	Honeywell	CT60	4GX + 3G, CAT13, VoLTE
Rugged PDA / Scanner	Zebra	EC55BK-2	4GX + 3G, CAT11, VoLTE
Rugged PDA / Scanner	Zebra	TC57	4GX + 3G, CAT13, VoLTE
Rugged PDA / Scanner	Zebra	TC77	4GX + 3G, CAT13, VoLTE
Rugged PDA / Scanner	Zebra Technologies	TC57x	4GX + 3G, CAT11, VoLTE
Rugged PDA /Scanner	Zebra	TC56DJ	4GX + 3G, CAT4, VoLTE
Rugged PDA /Scanner	Zebra	TC75FK	4GX + 3G, CAT4, VoLTE
Security Monitoring	Permaconn	PM24	LTE CAT M1
Security Monitoring	Permaconn	PM45V3T	4GX+3G,CAT 1
Security Monitoring	Risco	RW132G400AUA	4GX+3G,CAT 1
Sensor probe device	Libelium	Plug & Sense! 4G AU	4GX only, CAT4
Telematics / Vehicle Tracking	Advantech	T-TREK570	4G + 3G, CAT3

Category	Vendor	Model Number	Network Support
Telematics / Vehicle Tracking	CalAmp	LMU 2630	LTE CAT M1
		LMU 2630 IP67	
Telematics / Vehicle Tracking	CalAmp	LMU3040	LTE CAT M1
Telematics / Vehicle Tracking	Fleet Complete	GNX-6/MGS800	4GX + 3G, CAT1
Telematics / Vehicle Tracking	Geotab	GO9	LTE CAT M1
Telematics / Vehicle Tracking	Geotab	GR9	LTE CAT M1
Telematics / Vehicle Tracking	GIT Co., Ltd	Auto Link Premium	4GX + 3G, CAT1
Telematics / Vehicle Tracking	Harman International Industries Incorporated	HSA-15TN-SA	4GX+3G,
		HSA-15TN-SB	CAT 4
Telematics / Vehicle Tracking	MTData	4704/4705/4709	4GX + 3G, CAT1, VoLTE
Telematics / Vehicle Tracking	Positioning Universal Inc.	AT100-LM0Q-TE	LTE CAT M1
		AT130-LM0Q-TE	
		TT400-LM0Q-TE	
		TT401-LM0Q-TE	
Telematics / Vehicle Tracking	Positioning Universal Inc.	FT204-LM0Q-TE	LTE CAT M1
		FM205-LM0Q-TE	
Telematics / Vehicle Tracking	Positioning Universal Inc.	FT500-LM0Q-TE	LTE CAT M1
Telematics / Vehicle Tracking	Positioning Universal Inc.	FT700-LM0Q-TE	LTE CAT M1
Telematics / Vehicle Tracking	Positioning Universal Inc.	HT801-LM0Q-TE	LTE CAT M1
		HT800-LM0Q-TE	
Telematics / Vehicle Tracking	Teletrac Navman	MT201	4GX+3G, CAT 4
Telematics / Vehicle Tracking	Teletrac Navman	AT301	LTE CAT M1

Category	Vendor	Model Number	Network Support
Telematics / Vehicle Tracking	Teltonika Telematics	FMM001	LTE CAT M1
Telematics / Vehicle Tracking	Teltonika Telematics	FMM640	LTE CAT M1
Telematics / Vehicle Tracking	Trakm8	Connect 300	LTE CAT M1
USB modem	Cradlepoint	MC400PL5	4GX + 3G, CAT6
Gas Meter	EDMI	GR-8BU GC-25AU	LTE CAT M1
Water Meter	EDMI	WP-20 Ultrasonic	LTE NB-IOT
[NEW] Water Meter	Huizhong Instrumentation Co., Ltd	SCL-61H Ultrasonic Water Meter	LTE CAT M1 + NB1
Water Meter	Landis + Gyr	W350, W350-P W350-L, W350-PL	LTE NB-IOT

Filterable Excel spreadsheet: [Here](#)