



Spark Cellular IoT/M2M Certified Embedded Modules and Integrated Devices.

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Listed below are the IoT/M2M, 5G, 4G-LTE Cellular Embedded Modules and Integrated Devices that have been certified for use on the Spark Mobile Network.

The modules in this list have passed Spark's PTC257 Certification Program as meeting Spark's mandatory criteria and guidelines. Spark's guidelines also ensure that New Zealand RSM regulatory and RCM requirements have been met.

The integrated devices/modems in this list are using a Spark certified module. Spark requires all new IoT/M2M cellular capable devices to support 4G-LTE and VoLTE if voice is required.

Spark's primary coverage bands are 5G n78, n40, 4G LTE Band 28, 3, and 3G WCDMA Band 5, therefore any IoT module or devices must support these bands as a minimum. All modules and devices certified via Spark's IoT/M2M Certification Program must support remote firmware upgrade capability.

For questions and certification of IoT Devices & Modules, please contact IoTDevices@spark.co.nz

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Certified 5G, 4G, 3G & IoT Embedded Modules

Vendor	Model	Type	Network Support	VoLTE
5G NR				
Sierra Wireless	EM9190	Embedded Module	5G + 4G + 3G	No
Sierra Wireless	EM9191	Embedded Module	5G + 4G + 3G	No
Telit	FN980	Embedded Module	5G + 4G + 3G	No
Telit	MV31-W	Embedded Module	5G + 4G + 3G	No
Quectel	RM500Q-AE	Embedded Module	5G + 4G + 3G	No
Quectel ^[New]	Quectel RM520N-GL	Embedded Module	5G + 4G + 3G	No
Quectel ^[New]	Quectel RG520N-EU	Embedded Module	5G + 4G + 3G	No
LTE CAT 20				
Sierra Wireless	EM9190	Embedded Module	5G + 4G + 3G	No
Sierra Wireless	EM9191	Embedded Module	5G + 4G + 3G	No
Sierra Wireless	EM7690	Embedded Module	4G + 3G	No
Telit	FN980	Embedded Module	5G + 4G + 3G	No
LTE CAT 18				
Telit	LM960A18	Embedded Module	4G + 3G	No
Quectel	EG18-EA	Embedded Module	4G + 3G	No
LTE CAT 12				
Telit	LN920A12-WW	Embedded Module	4G + 3G	No
LTE CAT 8				
Sierra Wireless	HL8548	Embedded Module	4G	No
LTE CAT 6				
Sierra Wireless	MC7430 / EM7430	Embedded Module	4G + 3G	No
Sierra Wireless	MC7455 / EM7455	Embedded Module	4G + 3G	No
LTE CAT 4				
Sierra Wireless	HL7549	Embedded Module	4G	No
Quectel	EC25-AU	Embedded Module	4G + 3G	Yes
Quectel	EC25-AU Mini PCIe	Embedded Module	4G + 3G	Yes
Sierra Wireless	RC7620	Embedded Module	4G	Yes

LTE CAT 1				
Sierra Wireless	HL7650	Embedded Module	4G + 3G	No
Quectel ^[New]	EG915N-EA	Embedded Module	4G	Yes
Quectel ^[New]	EG91-EX	Embedded Module	4G	No
Quectel	EC21-AU	Embedded Module	4G + 3G	Yes
Quectel	EC21-AU Mini PCIe	Embedded Module	4G + 3G	Yes
Telit	LE910C1-AP	Embedded Module	4G + 3G	Yes
Telit	LE910C1-APX	Embedded Module	4G + 3G	Yes
Thales	PLS-62W	Embedded Module	4G + 3G	No
Thales	PLS-63W	Embedded Module	4G + 3G	No
Sierra Wireless	RC7620-1	Embedded Module	4G	Yes
LTE CAT M1				
Quectel	BG96	Embedded Module	4G	No
Quectel	BG95-M6	Embedded Module	4G	No
Quectel	BG95-M5	Embedded Module	4G	No
U-Blox	SARA-R410M-02B	Embedded Module	4G	No
SIMCOM	SIM7000E	Embedded Module	4G	No
Sierra Wireless	HL7749	Embedded Module	4G	No
Sierra Wireless	HL7800	Embedded Module	4G	No
Sierra Wireless	HL7800-M	Embedded Module	4G	No
Telit	ME910C1-AU	Embedded Module	4G	No
Telit	ME910G1-WW	Embedded Module	4G	No
Telit	ME910G1-W3	Embedded Module	4G	No
Telit	ME310G1-WW	Embedded Module	4G	No
Telit ^[New]	ME910C1-P1	Embedded Module	4G	No
Nordic	nRF9160	Embedded Module	4G	No
Sequans	GM02S	Embedded Module	4G	No
NB - IoT				
Quectel	BG96	Embedded Module	4G	No
Quectel	BG95-M6	Embedded Module	4G	No
Quectel	BG95-M5	Embedded Module	4G	No

Quectel	BG66	Embedded Module	4G	No
Quectel	BC95-G	Embedded Module	4G	No
Quectel	BC95-GV	Embedded Module	4G	No
Quectel	BC660K-GL	Embedded Module	4G	No
U-Blox	SARA-R410M-02B	Embedded Module	4G	No
Sierra Wireless	HL7800	Embedded Module	4G	No
Telit	ME910C1-AU	Embedded Module	4G	No
Telit	ME910G1-WW	Embedded Module	4G	No
Telit	ME910G1-W3	Embedded Module	4G	No
Telit	ME310G1-WW	Embedded Module	4G	No
Nordic	nRF9160	Embedded Module	4G	No
Telit	NE310L2-W1	Embedded Module	4G	No

Certified 5G, 4G & IoT Integrated Devices

Category	Vendor	Model	Network Support
Industrial Data Modem	EDMI	EWM410	4G + 3G Cat1
Industrial Data Modem	EDMI	ELM400	LTE Cat M1/NB-IoT
Industrial Data Modem	EDMI	ELM410	LTE Cat M1/NB-IoT
Industrial Data Modem	CASA Systems	NTC-100	LTE Cat M1/ NB-IoT
Industrial Data Modem	CASA Systems	NTC221	4G CAT1 + 3G
Industrial Data Modem	Sierra Wireless	RV50x	4G CAT6 + 3G
Industrial Data Modem	Sierra Wireless	RV55	4G CAT6 + 3G
Industrial Data Modem	Sierra Wireless	MP70	4G CAT6 + 3G

Industrial Data Modem	Sierra Wireless	MG90	4G + 3G, CAT12
Industrial Data Modem	Sierra Wireless	MG90 5G	5G + 4G + 3G, CAT20
Industrial Data Modem	Sierra Wireless	XR80	5G + 4G + 3G, CAT20
Industrial Data Modem	Sierra Wireless	XR90	5G + 4G + 3G, CAT20
Industrial Data Modem	Teltonika	TRB-245	4G CAT6 + 3G
Industrial Data Modem	Teltonika	TRB-255	LTE Cat M1/ NB-IoT
Industrial Data ^[New] Modem	Atheros	ESR-M	LTE Cat M1
Gateway	CASA Systems	NTC-402	4G CAT3 + 3G
Gateway	Cisco	EHWIC-4G-LTE-GB	4G CAT3 + 3G
Gateway	Cisco	C1111-4PLTE	4G CAT3 + 3G
Gateway	Cisco	C1111-8PLTE	4G CAT3 + 3G
Gateway	Cisco	EHWIC-LTE-LA	4G CAT6 + 3G
Gateway	Cisco	NIM-LTE-LA	4G CAT6 + 3G
Gateway	Cisco	NIM-4G-LTE-LA	4G CAT6 + 3G
Gateway	Cisco	CGM-4G-LTE-LA-AB	4G CAT6 + 3G
Gateway	Cisco	GRWIC-4G-LTE-LA	4G CAT6 + 3G
Gateway	Cisco	IR809G-LTE-LA-K9	4G CAT6 + 3G
Gateway	Cisco	IR829GW-LTE-LA-ZK9	4G CAT6 + 3G
Gateway	Cisco	P-5GS6-GL	5G + 4G + 3G CAT20
Gateway	Cisco Meraki	MG21-HW-WW	4G CAT6 + 3G
Gateway	Cisco Meraki	MG21E-HW-WW	
Gateway	Cisco Meraki	MX67C	4G CAT6 + 3G
Gateway	Cisco Meraki	MX68CW	4G CAT6 + 3G
Gateway ^[New]	Cisco Meraki	Z4C	4G CAT12 + 3G
Gateway	Cradlepoint	IBR200 COR	4G CAT1 + 3G
Gateway	Fortinet	FWF-30E-3G4G	

Gateway	Fortinet	FortiExtender 201E	
Gateway	Robustel	R1510 4L IoT	4G CAT4 + 3G
Gateway	Robustel	R2000 4L IoT	4G CAT4 + 3G
Gateway	Robustel	R5020 5G	5G + 4G +3G
Gateway	Peplink	Balance B310	5G + 4G +3G
Rugged PDA/Scanner	Logic Unlimited Ltd	XP7700 XP7	
Rugged PDA/Scanner	Honeywell	CT50	
Telematics Vehicle Tracking	CalAmp	LMU-3030	
DataStick	Huawei	MS2131i	
Datastick	Huawel	E8372-320	
USB Datastick / Hotspot	Peplink	MAX Adapter	5G + 4G CAT20
USB Datastick / Hotspot	Netgear	Nighthawk M6	5G + 4G CAT19 + 3G