

Product Change Notification

MultiConnect® Cell 100 Series Cellular Modem 4G-LTE FDD Category M1 Models

New Ordering Part Numbers MTC-MNG6

Date: July 25, 2024

I. Product Change Notification (PCN) Number

PCN 07252024-001

II. Summary

MultiTech announces new ordering part numbers for the MultiConnect® Cell 100 Series Cellular Modem. These new ordering part numbers include a new cellular module and firmware for use on 4G-LTE Category M1 networks. Current 4G-LTE FDD Cat M1 devices are Not Recommended for New Designs (NRND).

III. Impacted Products

NEW Ordering Part Number	NEW Ordering Part Number Description	NRND Ordering Part Number
MultiConnect Cell 100 Series Cellular Modem		
MTC-MNG6-B01	LTE Cat M1 Cellular Modem, RS-232 interface. Accessories sold separately (Global)	MTC-MNA1-B01
MTC-MNG6-B01-WW	LTE Cat M1 Cellular Modem, RS-232 interface with accessories (Global) Accessory Kit includes: (1) cellular antenna (1) power supply (4) power blades (AU/NZ, EU, GB, US) (1) DE9M-DE9F serial cable	MTC-MNA1-B01-US
MTC-MNG6-B03	LTE Cat M1 Cellular Modem, USB interface with USB cable. Antennas sold separately. (Global)	MTC-MNA1-B03
MTC-MNG6-B03-KIT	LTE Cat M1 Cellular Modem, RS-232 interface with accessories (Global) Accessory Kit includes: (1) cellular antenna (1) USB cable	MTC-MNA1-B03-KIT

IV. Overview of Change

The release of the new MTC-MNG6 ordering part numbers include an updated cellular module and firmware version.

Model Numbers	MTC-MNG6 Models	MTC-MNA1 Models
Regions	Australia Canada European Union United Kingdom United States	Canada United States
Performance	3GPP Release 14 4G LTE FDD Cat M1 M1: 588 Kbps peak downlink 1 Mbps peak uplink 2G: 264 Kbps peak downlink 210 Kbps peak uplink	3GPP Release 13 4G-LTE FDD Category M1 300 Kbps peak downlink 375 Kbps peak uplink
Cellular Module	Telit ME910G1-WW	Telit ME910C1-NA ATT/VZW
Cellular Firmware Version	37.00.XX6	30.00.118
Frequency Bands (MHz)	4G LTE FDD (Europe): B1(2100), B3(1800), B8(900), B20(800) 2G (Europe Fallback): B2(1900), B3(1800), B5(850), B8(900) 4G (AT&T): B2(1900), B4(AWS1700), B12(700) 4G (T-Mobile): B2(1900), B4(AWS1700), B5(850), B66(AWS-3 1700) 4G (Verizon): B4(AWS1700), B13(700) 4G LTE FDD (APAC): B1(2100), B18(800), B19(850), B26(850), B28(700) 4G LTE FDD Bands: B25(1900), B27(800)	4G-Cat M1 FDD (AT&T): B2(1900), B4(AWS1700), B12(700) 4G-Cat M1 FDD (Verizon): B4(AWS1700), B13(700)
Telit AT Command Reference Guide	80617ST10991A	80529ST10815A
MultiTech Device Guide	S000808	S000709
Power Draw (-B01 Models) Serial Models @ 9VDC	Sleep Mode: 8 mA Idle: 24 mA Max Power: 191 mA (average)	Sleep Mode: 9 mA Idle: 27 mA Max Power: 72 mA (average)
Power Draw (-B03 Models) USB Models @ 5VDC	Sleep Mode: n/a Idle: 26 mA Max Power: 325 mA (average)	Sleep Mode: n/a Idle: 33 mA Max Power: 131 mA (average)

V. Key Dates

New MTC-MNG6 Ordering Part Numbers

Shipping: July 2024

MTC-MNA1 Ordering Part Numbers

Not Recommended for New Designs (NRND): July 25, 2024

VI. Warranty and Support

Two-Year Product Warranty

MultiTech products include a two-year warranty that includes on-line technical support.

VIII. Suggested Action Plan

To help facilitate the launch of the new ordering part numbers, we recommend the following actions be taken:

- Forward this announcement to others within your organization who are actively involved in the sale or support of cellular modems.
- Ensure that the new ordering part numbers are loaded in your pricing system.
- Place initial stocking orders for the new ordering part numbers.
- Use the new ordering part numbers for all new design registrations.

IX. Additional Information

If you have any questions or require additional information on this Product Change Notification, please contact your MultiTech sales representative or visit the technical resources listed below:

World Headquarters – U.S.

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MultiTech Website: www.multitech.com

MultiTech Support Portal: <https://support.multitech.com/support/login.html>

Revision History

Version	Author	Date	Change Description
-001	DT	07/25/2024	Original version