

Product Change Notification

Dragonfly™ Embedded Cellular Modem

New Ordering Part Numbers

MTQ-MNG6 - 4G-LTE FDD Category M1 Models

Date: June 26, 2024

I. Product Change Notification (PCN) Number

PCN 06262024-001

II. Summary

MultiTech announces new ordering part numbers for the Dragonfly Embedded 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
Dragonfly Embedded Cellular Modem		
MTQ-MNG6-B02	Embedded LTE Cat M1 Cellular Modem w/GNSS (Global) (50 Pack)	MTQ-MNA1-B02.R2 MTQ-MNA1-B02.R1
MTQ-MNG6-B02-SP	Embedded LTE Cat M1 Cellular Modem w/GNSS (Global) (1 Pack)	MTQ-MNA1-B02.R2-SP MTQ-MNA1-B02.R1-SP

IV. Overview of Change

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

Model Numbers	MTQ-MNG6 Models	MTQ-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	S000809	S000714
Power Draw USB @ 5VDC	Sleep Mode: 19 mA Idle: 43 mA Max Power: 383 Ma (average)	Sleep Mode: 21 mA Idle: 38 mA Max Power: 238 mA (average)
Developer Kit	MTUDK2-ST-CELL.R1	MTUDK2-ST-CELL.R1

V. Key Dates

New MTQ-MNG6 Ordering Part Numbers

Shipping: June 2024

MTQ-MNA1 Ordering Part Numbers

Not Recommended for New Designs (NRND): June 1, 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 may be impacted by this announcement.
- Work with your MultiTech reseller or distributor to obtain samples.

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>

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Revision History

Version	Author	Date	Change Description
-001	DT	06/26/2024	Original version