

Product Change Notification

MultiTech Dragonfly™ Embedded Cellular Modems

LTE Cat 4 Modems: MTQ-L4G1, MTQ-LNA7, MTQ-LEU7 Models

LTE Cat M1 Modems: MTQ-MNA1 Models

Select Models Only

Date: July 1, 2024

I. Product Change Notification (PCN) Number

PCN 07012024-001

II. Summary

MultiTech announces that select Dragonfly LTE Cat 4 and Dragonfly LTE Cat M1 ordering part numbers are changing status from **Not Recommended for New Designs (NRND)** to **Near-End-of-Life (NEOL)** effective immediately. Replacement models are available.

III. Background

The COVID-19 pandemic significantly disrupted the global supply chain and triggered a cascade of challenges across industries worldwide. The flow of raw materials and finished goods was difficult to predict due to factory, port, and distribution center closures.

MultiTech was not exempt from these disruptions and the decision was made to pursue alternate supply and design options to continue meeting our customers' needs. For Dragonfly embedded modems, the result was a series of new ordering part numbers with an alternate hardware design.

- The core functionality of the alternate hardware design and original hardware design are the same
- The primary difference is a series of voltage level translators that differ between each hardware version
- The modem firmware and other critical components remain the same for each hardware version

Today, these supply chain disruptions no longer impact Dragonfly embedded modems and MultiTech is consolidating the Dragonfly product offering to a limited set of ordering part numbers.

IV. Impacted Products

Near-End-of-Life (NEOL) Model		Active Model (Recommended Replacement)	
Ordering Part Number	UPC Code	Ordering Part Number	UPC Code
MTQ-L4G1 Models LTE Cat 4 Embedded Cellular Modem w/Fallback & GNSS (Global)			
MTQ-L4G1-B02.R2	789407376153	MTQ-L4G1-B02.R1A	789407376139
MTQ-L4G1-B02.R2-SP	789407376160	MTQ-L4G1-B02.R1A-SP	789407376146
MTQ-LNA7 Models LTE Cat 4 Embedded Cellular Modem w/Fallback & GNSS (*) (Canada, United States)			
MTQ-LNA7-B02.R2	789407375958	MTQ-LNA7-B02.R1A	789407375668
MTQ-LNA7-B02.R2-SP	789407375965	MTQ-LNA7-B02.R1A-SP	789407375675
MTQ-LEU7 Models LTE Cat 4 Embedded Cellular Modem w/Fallback (European Union, United Kingdom)			
MTQ-LEU7-B02.R2	789407375996	MTQ-LEU7-B02.R1A	789407375972
MTQ-LEU7-B02.R2-SP	789407376009	MTQ-LEU7-B02.R1A-SP	789407375989

(*) GNSS Antenna Support:

MTQ-LNA7-B02.R1A models support Passive and Active GNSS antennas.

MTQ-LNA7-B02.R2 models support Passive GNSS antennas only.

V. Key Dates

Not Recommended for New Design (NRND): May 1, 2024

Near-End-of-Life (NEOL): July 1, 2024

All orders received during the NEOL period require a Non-Cancellable, Non-Returnable (NCNR) agreement. Please contact your MultiTech sales representative for details and a copy of the agreement.

Last Time Buy (LTB): September 30, 2024, or while supplies last

Last Ship Date/End-of-Life (EOL): December 31, 2024, or while supplies last

VI. Overview of Change

Cellular Radio Cellular Firmware	Near-End-of-Life (NEOL) Model	Active Model (Recommended Replacement)
MTQ-L4G1 Models LTE Cat 4 Embedded Cellular Modem w/Fallback & GNSS (Global)		
Quectel EG25-G EG25GGBR07A08M2G_30.004.30.004 (Firmware Release Notes)	Alternate Hardware Design (*) Data-centric default mode (**) MTQ-L4G1-B02.R2 MTQ-L4G1-B02.R2-SP	Original Hardware Design (*) Data-centric default mode (**) MTQ-L4G1-B02.R1A MTQ-L4G1-B02.R1A-SP
MTQ-LNA7 Models LTE Cat 4 Embedded Cellular Modem w/Fallback & GNSS (*) (AT&T, Verizon)		
Quectel EG95-NA EG95NAFBR05A04M4G_30.005.30.005 (Firmware Release Notes)	Alternate Hardware Design (*) Data-centric default mode (**) Passive GNSS Antenna - MTQ-LNA7-B02.R2 MTQ-LNA7-B02.R2-SP	Original Hardware Design (*) Data-centric default mode (**) Passive GNSS Antenna Active GNSS Antenna MTQ-LNA7-B02.R1A MTQ-LNA7-B02.R1A-SP
MTQ-LEU7 Models LTE Cat 4 Embedded Cellular Modem w/Fallback (European Union, United Kingdom)		
Quectel EG95-E EG95EFBR06A07M4G_01.001.01.001 (Firmware Release Notes)	Alternate Hardware Design (*) MTQ-LEU7-B02.R2 MTQ-LEU7-B02.R2-SP	Original Hardware Design (*) MTQ-LEU7-B02.R1A MTQ-LEU7-B02.R1A-SP

(*) The core functionality of the Dragonfly is identical. Alternate hardware designs were introduced in response to global supply chain issues. Today, market conditions have normalized and there is no longer a need for alternate hardware designs.

(**) Data-centric radio firmware in response to the AT&T 3G sunset and the impact on select 4G-LTE devices. See [PCN 05062021 AT&T 3G Sunset - Impacts on 4G Devices](#) for more information.

VII. Warranty and Support

Two-Year Product Warranty

All MultiTech products include a two-year warranty that includes on-line technical support and 24-hour website support. However, no firmware/software updates or maintenance releases will take place post NEOL date.

VIII. Suggested Action Plan

To help facilitate the transition to the Active/Recommended Replacement ordering part numbers listed in this notification, we recommend the following actions be taken:

1. Forward this notification to others within your organization who are actively involved in the sale or support of embedded cellular modems.
2. When reviewing new program designs, quote the Active ordering part numbers listed in this notification.
3. Forward this notification to existing customers and make them aware of the change in status for the NRND ordering part numbers.
4. Encourage existing customers to order samples of the appropriate Active/Recommended Replacement ordering part numbers for evaluation.

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:

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MultiTech Support Portal

<https://support.multitech.com/support/login.html>

Create an account and submit a support case directly to our technical support team.

MultiTech Website

www.multitech.com

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Revision History

Version	Author	Date	Change Description
-001	DT	07.01.2024	Original version