

Product Bulletin

New! MultiConnect® Dragonfly™ 4G-LTE Cat 1 Embedded Cellular SoM's and Modems Now Shipping!

Date: July 25, 2016

I. Overview

MultiTech has once again expanded its market leading portfolio of embedded cellular SoM's and modems announcing the availability of its first 4G-LTE Cat 1 models for the MultiConnect® Dragonfly™ family. Models supporting AT&T and Verizon are now fully end device certified and available.

These new models offer peak upload data rates of up to 5 Mbps and download data rates of up to 10 Mbps and are ideally suited for long lifetime IoT applications that require lower data rates (2G replacement), as well as battery- or solar-operated devices.

Users of the new LTE Cat 1 devices will benefit from a lower cost, competitive with 2G GPRS or 1xRTT devices, as well as reduced power consumption when compared to earlier LTE devices designed for broadband data speeds. In addition, the MultiConnect Dragonfly libraries have been updated to support ARM mbed OS 5.

II. Product Description

The [MultiConnect Dragonfly](#) embedded cellular SoM's and modems are network ready-to-integrate and carrier approved as an end device. Now offering 4G-LTE Cat 1 data performance using the same footprint and interfaces as previous Dragonfly designs for a quick to drop in upgrade.

As an approved 'End Device' on the AT&T and Verizon Wireless networks, MultiConnect Dragonfly embedded cellular SoM's and modems provide the quickest-to-market and most hassle free route for embedded developers to add wireless communication to their solution. The MultiConnect Dragonfly eliminates the need for costly and time consuming carrier approvals, without the need to become an expert in how to manage cellular network connectivity.

As the first ARM mbed cellular SoM listed on [mbed.org](#) that is industry certified and deployment ready, applications can be written and compiled quickly online using developer friendly libraries, downloaded and

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hosted within the Dragonfly. Decision making and control is distributed to the edge, enabling data to be more actionable without the heavy lift required to implement complex M2M middleware and security protocols needed to deploy a low touch install.

Key Features:

- 4G LTE Cat 1, 10 Mbps downlink / 5 Mbps uplink
- 3G fallback for AT&T models
- PTCRB certified and network approved as an end device
- Short Message Services (SMS)
- UFL antenna connectors
- Serial interface supports speeds up to 921.6K bps
- USB 2.0 HS compatible

Don't forget the developer kit!

The SocketModem and Dragonfly Developer Kit (MTUDK2-ST-CELL) is designed to work with all versions of MultiTech cellular SocketModems as well as the MultiConnect® Dragonfly™ family of cellular SOMs. It allows you to plug in the communications device and use it for testing, programming and evaluation. The kit includes a development board and all the necessary accessories to get you up and running right out of the box.



III. Model Numbers

Order Part Number	Catalog Description
MultiConnect® Dragonfly™ Embedded Cellular SoM's and Modems	
MTQ-LAT3-B01	LTE Cat 1 Embedded Cellular SoM w/Fallback (AT&T/T-Mobile) (50 Pk)
MTQ-LAT3-B01-SP	LTE Cat 1 Embedded Cellular SoM w/Fallback (AT&T/T-Mobile) (1 Pk)
MTQ-LAT3-B02	LTE Cat 1 Embedded Modem w/Fallback (AT&T/T-Mobile) (50 Pk)
MTQ-LAT3-B02-SP	LTE Cat 1 Embedded Modem w/Fallback (AT&T/T-Mobile) (1 Pk)
MTQ-LVW3-B01	LTE Cat 1 Embedded Cellular SoM w/o Fallback(Verizon) (50 Pk)
MTQ-LVW3-B01-SP	LTE Cat 1 Embedded Cellular SoM w/o Fallback (Verizon) (1 Pk)
MTQ-LVW3-B02	LTE Cat 1 Embedded Modem w/o Fallback (Verizon) (50 Pk)
MTQ-LVW3-B02-SP	LTE Cat 1 Embedded Modem w/o fallback (Verizon) (1 Pk)
MTUDK2-ST-CELL	SocketModem & Dragonfly Developer Kit - Cellular

Product specifications are subject to change without notice.

MTQ-xxx models are encryption items. U.S. Export Administration Regulations have special restrictions on the export of encryption items; please refer to these regulations. Any export of commodities, technology, or software must be exported from the United States in accordance with the Export Administration Regulations. Export or diversion contrary to U.S. law is prohibited.

IV. Warranty and Support

Two-Year Product Warranty

MultiConnect Dragonfly models listed in this bulletin include a two-year warranty that includes on-line technical support, 24-hour website support and ftp support.

V. Suggested Action Plan

To help facilitate the launch of the new MultiConnect Dragonfly embedded cellular SoM's and modems 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 SoM's and modems.

V. Additional Information

If you have any questions or require additional information on this Product Bulletin, please contact your MultiTech sales representative:

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