MultiConnect® microCell
USB LTE Cat 4 Modem

MultiConnect® microCell is a compact and simple communications platform that provides cellular capabilities for fixed and mobile applications. Intended for use in settings such as vending, smart parking, medical, smart inventory tracking equipment and commercial applications.

The MultiConnect microCell is part of MultiTech's comprehensive portfolio of cellular connectivity products optimized for M2M (machine-to-machine) applications. The MultiConnect microCell comes with support for Windows and Linux drivers and is CDC ACM compliant to ensure a plug-and-play experience.

MultiConnect microCell has one USB communication port which is also used for power, and external SMA connectors to accommodate two external antennas for cellular connectivity. This standalone USB-to-cellular device supports LTE Cat 4 technology and is intended to provide basic cellular communication and security such as SSL/TLS 1.2 or higher. It relies heavily on the asset to provide advanced firewall and networking capabilities such as private tunneling, MAC filtering, SNMP, etc.

The latest addition to the MultiConnect® microCell product family supports a "Dual Carrier" radio allowing for support on AT&T and Verizon networks (with correct SIM card).

BENEFITS

- Compact and rugged design
- Quick-to-market deployments
- Long and stable lifecycle

FEATURES

- 4G-LTE Cat 4
- USB for data and power
- Configured using AT commands
- Integrated TCP/IP and UDP/IP stacks
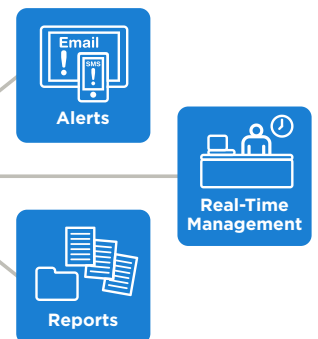- SSL/TLS support
- Two-year warranty

Your Devices & Data

- Energy
- Financial / Retail
- Healthcare
- Remote Monitoring

Connecting Your Devices

Wireless Service Provider

Asset Management Platform

Insight + Action + Control

- Email
- Alerts
- Reports
- Real-Time Management

www.multitech.com/microcell

SPECIFICATIONS

Models	MTCM2-L4G1
Performance	LTE Cat 4 Worldwide LTE, UMTS/HSPA+ and GSM/GPRS/EDGE coverage
Frequency Band (MHz)	3GPP Release 11 **4G LTE FDD:** B1(2100),B2(1900), B3(1800),B4(AWS1700), B5(850), B7(2600), B8(900), B12/B13(700), B18(850), B19(850), B20(800), B25(1900), B26(850), B28(700) TDD: B38(2600), B39(1900), B40(2300), B41(2500) **3G UMTS:** B1(2100),B2(1900), B4(AWS1700), B5(850), B6(800), B8(900), B19(850) **2G GSM:** B2(1900), B3(1800), B5(850), B8(900)
Packet Data*	Up to 150 Mbps downlink / Up to 50 Mbps uplink
Diversity /MIMO	Rx Diversity and MIMO DL 2x2
Operating System Support	Windows 7/8/8.1 and 10 Linux (2.6.x or greater)
Power Requirements	
Voltage	USB powered – 5V
Connectors	
RF Antenna	External 50 ohm SMA (female connector)
SIM	Micro SIM (3FF); 1.8 and 3V
USB	USB Type A
Physical Description	
Physical Dimensions (LxWxH)	2.45" x 1.79" x 0.78" (6.22 x 4.54 x 1.98 cm)
Physical Weight	0.5 lbs (.227 Kg)
Chassis Type	Aluminum
Environmental	
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Relative Humidity	15% to 85% operating and storage
Certifications	
Regulatory Compliance	CE/RED
Safety	UL/cUL/IEC 62368-1
Network	EU Carriers
Quality	MIL-STD-810G: High Temp, Low Temp, Cold Dwell, Random Vibration and Sine Vibration SAE J1455: Random Vibration and Sine Vibration

* Actual performance speeds may be affected by a variety of attributes such as cell tower distance, data loads, packet sizes, etc.

ORDERING INFORMATION

MultiConnect microCell

Model	Description	Region
MTCM2-L4G1-B03-KIT	LTE Cat 4 USB Modem with Accessory Kit	Europe

Accessory Kit includes two cellular antennas.

Go to www.multitech.com for detailed product model numbers.
Use ordering codes for specific build options.

Services & Warranty

MultiTech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations.

Installation Support

MultiTech's Installation Support Service delivers priority service with the ability to work one-on-one with an experienced MultiTech technical support engineer, to guide you through the installation process for our products.

Technical Support Services

At MultiTech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your MultiTech representative or visit www.multitech.com/support.go

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