MULTITECH®
CREATE • CONNECT • COMMUNICATE



MultiConnect® microCell

USB LTE Cat 1 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 1 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.

BENEFITS

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

FEATURES

- 4G-LTE Cat 1
- USB for data and power
- FCC, PTCRB, AT&T, Verizon, Sprint and T-Mobile approved models
- Configured using AT commands
- Integrated TCP/IP and UDP/IP stacks
- SSL/TLS support
- Two-year warranty



www.multitech.com/microcell

SPECIFICATIONS

Models	MTCM-LAT3	MTCM-LSP3	MTCM-LNA3
Performance	LTE Cat. 1		LTE FDD Cat 1
Frequency Band (MHz)	3GPP Release 9 4G: B2(1900), B4(AWS1700), B5(850), B12/B13(700) 3G: B2(1900), B5(850)	3GPP Release 10 B2/B25(1900), B4(AWS1700), B5/B26(850), B12(700)	3GPP Release 9 B2(1900), B4(AWS1700), B5(850), B12/B13(700) 3G: B2(1900), B5(850)
Packet Data*	Up to 10 Mbps downlink / Up to 5 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)	2.105" x 1.79" x 0.78" (5.3467 x 4.5466 x 1.9812 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	FCC Class B (US), IC (Canada)		
Safety	UL60950-1		
Network	PTCRB, AT&T, T-Mobile†	Sprint	PTCRB, AT&T, Verizon, T-Mobile†
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.
† Voice must be deactivated by AT commands to use on T-Mobile network, contact MultiTech for details

ORDERING INFORMATION

MultiConnect microCell

Model	Description	Region
MTCM-LAT3-B03-KIT	LTE Cat 1 USB Modem, includes antennas (AT&T/T-Mobile)	US/Canada
MTCM-LSP3-B03-KIT	LTE Cat 1 USB Modem, includes antennas (Sprint)	US
MTCM-LNA3-B03-KIT	LTE Cat 1 USB Modem, includes antennas (AT&T/Verizon/T-Mobile)	US/Canada

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.

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

World Headquarters

Multi-Tech Systems, Inc.
2205 Woodale Drive
Mounds View, MN 55112 U.S.A.
Tel: 763-785-3500
Toll-Free: 800-328-9717
Email: sales@multitech.com
www.multitech.com

EMEA Headquarters

Multi-Tech Systems (EMEA)
Strata House
264-270 Bath Road
Harlington UB3 5JJ
United Kingdom
Tel: +(44) 118 959 7774
Email: sales@multitech.co.uk
www.multitech.co.uk

Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice.

Trademarks and Registered Trademarks: MultiTech and the MultiTech logo, MultiConnect: Multi-Tech Systems, Inc.
All other products and technologies are the trademarks or registered trademarks of their respective holders.

2021-02 • 86002203 •

© 2021 Multi-Tech Systems, Inc. All rights reserved.