

# MultiConnect® eCell

LTE OnGo CBRS Cellular to Ethernet Bridge



**MultiConnect® eCell** cellular to Ethernet bridge makes adding private LTE connectivity to existing wired assets quick and easy. Providing primary or secondary (wireless failover) network access to vending machines, kiosks, digital signs, ATM machines and countless other fixed assets that require reliable, always-on connectivity. With LTE Cat 12 OnGo CBRS (Citizens Broad Band Radio) shared wireless spectrum, there's no need to sacrifice bandwidth when switching between cellular and Ethernet. Plus, the easy set up wizard, bundled antenna, power supply and Ethernet cable make installation a snap. Best of all, it's cost-optimized to give you exactly what you need with minimal complexity in a rugged, aluminum chassis suitable for even extreme environments. The MultiConnect eCell reduces time to market as well as cost – so you can deploy your solution fast.

## BENEFITS

- Simple, low-cost connectivity solution for dedicated private networks, neutral host networks, and fixed wireless networks
- FCC-Authorized end user device for Band 48 and OnGo CBRS networks
- Approved interoperability with CBRS base stations and access points
- Cloud-based device management platform for Over-The-Air network diagnostics and configuration at no extra cost

## FEATURES

- LTE Category 12 performance
- Single Ethernet LAN port
- Ruggedized, aluminum enclosure

### Your Devices & Data



### Connecting Your Devices



### Insight + Action + Control



## HIGHLIGHTS

### Applications

MultiConnect eCell cellular to Ethernet bridges are used in a wide variety of private LTE applications such as digital signage, smart vending, smart energy or home medical monitoring. It can also be used to provide main internet broadband and backup access for business continuity; WAN failover or OBM (Out-of-Band Management) path to IT devices at your remote sites. The MultiConnect eCell will help to ensure infrastructure is accessible

from anywhere, even during system or network outage. Because they are certified and carrier approved, customers are able to quickly deploy with cellular connectivity to realize new revenue streams, opex reduction or improved service offering.

### Comprehensive Service and Support

The MultiTech commitment to service means we provide a two year product warranty and service that includes free technical support, 24 hour website, and FTP support.

## SPECIFICATIONS

Models	MTE-L12G1
Performance	LTE Cat. 12
Private LTE Frequency Band	CBRS (3.5 GHz): Bands 42, 43, 48
Other Frequency Band	4G: FDD/TDD LTE Bands 1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 14, 18, 19, 20, 26, 29, 30, 32, 41, 42, 43, 46, 48, 66 DC-HSPA+ (42/5.76 Mbps) Bands 1, 2, 4, 5, 6, 8, 9, 19 Unlicensed Bands: LTE-LAA (5 GHz): Band 46
Packet Data*	Up to 600 Mbps downlink / Up to 150 Mbps uplink
Diversity /MIMO	Rx Diversity, MIMO
LEDs	Power, SIM, Internet, Signal, Ethernet
Power Requirements	
Voltage	12VDC (120V power adapter provided) or DC power cable
Connectors	
Cellular	(CELL and AUX): Two female SMA antenna connectors
SIM	Mini SIM 2FF
LAN	RJ-45, 10/100 BaseT
Power	2.5 mm plug (unthreaded)
Physical Description	
Physical Dimensions (LxWxH)	3.2" x 2.5" x 1.2" (81.2 x 63.5 x 30.5 millimeters)
Physical Weight	1.0 lbs (0.45 Kg)
Chassis Type	Aluminum
Mounting	Desk Mount / Wall Mount (using mounting tab provided)
Environmental	
Operating Temperature	+14°F to +122°F (-10°C to +50°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Relative Humidity	Operating: 10% to 85% non-condensing / Storage: 5% to 90%
Certifications	
Regulatory Compliance	OnGo FCC Part 96 CBRS, FCC Part 15
Quality	MIL-STD-810G: High Temp, Low Temp, Random Vibration SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration IEC68-2-1: Cold Temp / IEC68-2-2: Dry Heat
Warranty	2-Years / <a href="http://www.multitech.com/legal/warranty">www.multitech.com/legal/warranty</a>

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

† See user guide for more information.

## ORDERING INFORMATION

### MultiConnect eCell

Model	Description	Region
MTE-L12G1-B07-US	Private LTE OnGo CBRS Cat 12 Cellular to Ethernet Bridge w/US Accessory Kit	North America

Accessory Kit includes: Power supply with US power blade, two cellular antennas, mounting tab and Ethernet cable.

Go to [www.multitech.com](http://www.multitech.com) for detailed product model numbers.  
Use ordering codes for specific build options.

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

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### 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](http://www.multitech.com/support.go)

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