# MULTITECH®
## CREATE • CONNECT • COMMUNICATE

# MultiConnect® eCell
### LTE OnGo CBRS Industrial Temp 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 surveillance cameras, building management systems, Wi-Fi access points, digital signage, autonomous mobile robots and always-on IP 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. DeviceHQ, built into your MultiConnect eCell purchase, includes remote provisioning, Over-The-Air network diagnostics and firmware updates so you can securely deploy, manage and scale 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 OnGo CBRS networks
- Approved interoperability with CBRS infrastructure vendors
- DeviceHQ® remote provisioning, Over-The-Air network diagnostics and firmware updates included for the life of your device

## FEATURES
- LTE Category 12 performance
- Single Ethernet LAN port
- Ruggedized, aluminum enclosure
- -30°C to +70°C operating temp range
- 9-32V input power range

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### Your Devices & Data
- Enterprise
- ATM/POS
- Game Console
- Kiosks
- Digital Signage
- Energy
- Financial / Retail
- Healthcare
- Vending Machines
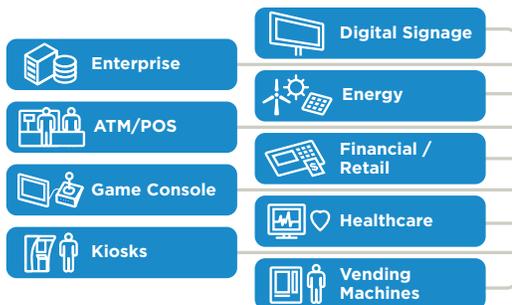
### Connecting Your Devices

DeviceHQ

Wireless Service Provider

Asset Management Platform

### Insight + Action + Control
- Email
- Alerts
- Reports
- Real-Time Management

www.multitech.com/ecell

# 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 | MTE2-L12G2 |
|---|---|
| Performance | LTE Cat. 12 |
| Private LTE Frequency Band | CBRS (3.5 GHz): Bands 42, 43, 48 |
| Packet Data* | Up to 600 Mbps downlink / Up to 150 Mbps uplink (Actual speed measured at up to 300+ Mbps downlink / Up to 90 Mbps uplink) |
| Diversity /MIMO | Rx Diversity, MIMO |
| LEDs | Power, SIM, Internet, Signal, Ethernet |
| **Power Requirements** | |
| Voltage | 9-32VDC (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, 10/100/1000 BaseT |
| Power | 2-pin screw lock terminal block |
| **Physical Description** | |
| Physical Dimensions (LxWxH) | 3.74" x 2.76" x 1.2" (95 x 70 x 30.5 millimeters) |
| Physical Weight | 1.2 lbs. (0.54 Kg) |
| Chassis Type | Aluminum |
| Mounting | Desk Mount / Wall Mount (using mounting tab provided) |
| **Environmental** | |
| Operating Temperature | -22°F to +158°F (-30°C to +70°C) |
| Storage Temperature | -40°F to +185°F (-40°C to +85°C) |
| Relative Humidity | Relative humidity 10% to 93% non-condensing |
| **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 / www.multitech.com/legal/warranty |

\* 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 |
|---|---|---|
| MTE2-L12G2-B07-US | Private LTE OnGo CBRS Cat 12 Cellular to Ethernet Bridge (Industrial Temp) w/US Accessory Kit | USA |

### Accessories

| Model | Description | Region |
|---|---|---|
| DIN-FLANGE-10PACK | DIN Rail Mounting Kit, Flange Mount (10 Pack) | Global |
| DIN-FLANGE-RA-10PACK | DIN Rail Mounting Kit, Flange Mount, Right Angle (10 Pack) | Global |
| DIN-MTR-MTC-10PACK | DIN Rail Mounting Kit (10 Pack) | Global |

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

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

Features and specifications are subject to change without notice.

## 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

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