

# MultiConnect<sup>®</sup> rCell 500 Series

## LTE Cellular Router with Wi-Fi<sup>®</sup> for Europe



**MultiConnect<sup>®</sup> rCell 500 Series** extends your networks reach into your remote sites, connect payment and inventory management systems, monitor equipment performance and provide always on failover connectivity through your choice of broadband wireless networks. The intuitive user interface and free cloud device management (no recurrent monthly fees) allows for quick configuration and over-the-air upgrades.

Ready for deployment in Europe, the MultiConnect<sup>®</sup> rCell 500 Series is an easy to configure LTE broadband wireless and Ethernet router, boasting up to 128 concurrent Wi-Fi<sup>®</sup> connections, configurable serial port able to control IT assets and communicate with industrial appliances.

### FEATURES

- 4G LTE performance up to: 150 Mbps downlink and 50 Mbps uplink (CAT4)
- LTE FDD, B1/B3/B7/B8/B20/B28A
- LTE TDD, B38/B40/B41
- DC-HSPA+/HSPA+/HSPA/UMTS/GSM/GPRS/EDGE
- 4 Ethernet 10/100 LAN/WAN ports
- Configurable Serial port RS-232/RS-485 MODBUS bridge
- Wi-Fi (802.11 b/g/n) supports up to 128 concurrent connections
- Dual power supply input, 12-48VDC
- Dual SIM/USIM cards
- Simple web interface for configuration and management
- Automatic WAN failover and failback
- Global Certification Forum (GCF) certified wireless module
- Industrial DIN rail mounting
- Remotely hosted device management platform
- Two-year warranty

### Your Applications



## HIGHLIGHTS

### Applications

The MultiConnect rCell 500 Series of cellular routers can be used in a wide variety of applications such as remote sites with IT assets, telemetry, kiosks, POS, industrial equipment communications to a central office, smart energy, inventory management monitoring, always-on connectivity with failover and fallback capabilities. Solution providers are able to

quickly deploy with 4G connectivity and realize new revenue streams, Opex reduction, improved service quality capabilities.

### Security

The MultiConnect rCell 500 Series of cellular routers use IPSec industry standard data encryption to provide high performance, secure LAN-to-LAN VPN connections with 3DES or AES encryption using IKE and PSK key management. Support for 32 concurrent VPN tunnels.

## SPECIFICATIONS

| Models                      | MTR5-LEU2.R1   |
|-----------------------------|--|
| Performance                 | LTE FDD/TDD, DC-HSPA+/HSPA+/HSPA/UMTS, GSM/GPRS/EDGE                                     |
| Frequency Band              | LTE FDD: B1/B3/B7/B8/B20/B28A 3G: 850/900/2100 MHz LTE TDD: B38/B40/B41 2G: 900/1800 MHz |
| Packet Data*                | Up to 150 Mbps downlink, Up to 50 Mbps uplink (LTE Cat 4)                                |
| Connectors                  |  |
| 4G Antenna                  | Female SMA, 2dBi detachable antennas (Qty 2)   |
| Wi-Fi                       | Reverse polarity Female SMA, 5dBi detachable antennas (Qty 2)                            |
| SIM                         | SIM/USIM, 2 Sockets for failover   |
| LAN                         | RJ45, 10/100 (3 LAN/1 WAN or 4 LAN) Auto MDI/MDIX  |
| USB                         | USB Cellular Modem Support, 5V/1000mA  |
| Serial Port                 | DE9, supports RS-232/RS-485  |
| Second Serial Port          | RJ12, supports DCE RS-232  |
| Power                       | DECA™ MC101-50004 terminal block, 12-48VDC Dual Redundant Power Input                    |
| Physical Description        |  |
| Physical Dimensions (LxWxH) | 187 mm x 110 mm x 31 mm  |
| Physical Weight             | 0.6 Kg   |
| Chassis Type                | Metal  |
| Environmental               |  |
| Operating Temperature       | -10° to +60° C, Relative humidity 10% to 90% non-condensing                              |
| Storage Temperature         | -40° to +85° C, Relative humidity 0% to 95% non-condensing                               |
| Certifications              |  |
| Regulatory Compliance       | R&TTE (EU Economic Area)   |
| Safety                      | IEC60950-1 (EU Economic Area)  |
| Network                     | GCF certified module (EU carriers)   |

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

## SOFTWARE FEATURES

**Wi-Fi Security:** WEP, WPA/WPA2-PSK, WPA/WPA2 via Radius

**WAN Connection Types:** Static IP, Dynamic IP, PPPoE, PPTP, L2TP, Cellular WWAN

**WAN Redundancy & Load Balancing:** Failover, VRRP, Load balance

**LAN/WAN Security:** NAT, SPI, IPS, IP Packet filtering, URL Filtering, MAC address filtering, Application filtering, Discard WAN PING

**Intelligent Routing:** Static routing, dynamic routing RIP, OSPF, BGP, DMZ, Virtual Server, VPN pass-through

**Router/Modem Management:** HTTP, HTTPS, SNMP, Backup & Restore Settings, Firmware upgradable through GUI, DeviceHQ

**VPN: IPSec:** Encryption (DES, 3DES, AES-128, AES-192, & AES-256), IPSec Authentication: MD5, SHA, VPN pass-through (IPSEC, L2TP, PPTP), GRE tunneling

**Performance Management:** QoS prioritizing, Bandwidth management, SSID priority, Wizards setup, SMS, logging & email alerts

**Serial Port:** RS-232, RS-485, TCP/UDP protocols, TCP Client & server modes, Modbus bridge RTU/ASCII to TCP

## ORDERING INFORMATION

### MultiConnect rCell 500 Series

| Model                  | Description                       | Region |
|------------------------|-----------------------------------|--------|
| MTR5-LEU2-B04.R1-EU-GB | Intelligent LTE Router with Wi-Fi | EU/GB  |

Note: 12VDC power supply, Euro and UK power blades, Wi-Fi and cellular antennas, Ethernet and console cables, wall mount kit, and DIN rail bracket

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.

## 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)

## 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](mailto:sales@multitech.com)  
[www.multitech.com](http://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](mailto:sales@multitech.co.uk)  
[www.multitech.co.uk](http://www.multitech.co.uk)

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