

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

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



Extend 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.

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: 100 Mbps downlink and 50 Mbps uplink (CAT3)
- LTE FDD, B1/B2/B3/B5/B7/B8/B20
- 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
- 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

Model	MTR5-LEU2
Performance	LTE FDD, DC-HSPA+/HSPA+/HSPA/UMTS, GSM/GPRS/EDGE
Frequency Band	LTE FDD: B1/B2/B3/B5/B7/B8/B20 3G: 850/900/1900/2100 MHz 2G: 850/900/1800/1900 MHz
Packet Data*	Up to 100 Mbps downlink, up to 50 Mbps uplink
<b>Connectors</b>	
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
Console	RJ12, supports DCE RS-232
Power	DECA™ MC101-50004 terminal block, 12-48VDC dual redundant power input
<b>Physical Description &amp; Environmental</b>	
Physical Dimensions (L x W x H)	187 mm x 110 mm x 31 mm
Physical Weight	0.6 Kg
Chassis Type	Metal
Operating	-10° to +60° C, relative humidity 10% to 90% non-condensing
Storage	-40° to +85° C, relative humidity 0% to 95% non-condensing
<b>Certifications</b>	
Regulatory	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 PPP

### 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

### 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

## 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)

### World Headquarters

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## ORDERING INFORMATION

Model	Description	Region
MTR5-LEU2-B04-EU-GB	Intelligent LTE Router with Wi-Fi	Euro

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

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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