

MultiConnect[®] rCell 500 Series

LTE Cellular Router with WiFi 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[®] rCell 500 series is an easy to configure LTE broadband wireless and Ethernet router, boasting up to 128 concurrent Wi-Fi[®] 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
- Two-year warranty
- Industrial DIN rail mounting

Your Applications



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
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
Console	RJ12, supports DCE RS-232
Power	DECA™ MC101-50004 terminal block, 12-48VDC Dual Redundant Power Input
Physical Description & Environmental	
Physical Dimensions	187 mm x 110 mm x 31 mm (L x W x H)
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
Certifications	
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.

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.

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

Ordering Information

Product

MTR5-LEU2-BO4-EU-GB

Description

Intelligent LTE Router with Wi-Fi, 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.

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

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