



MultiConnect[®] rCell 500 Series

LTE Cellular Router with Wi-Fi[®] for Europe

MultiConnect[®] 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 cloud device management allows for quick configuration and over-the-air upgrades.

Ready for deployment in Europe, the MultiConnect rCell 500 Series is an easy to configure LTE broadband wireless and Ethernet router, boasting up to 64 concurrent Wi-Fi[®] 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 10/100/1000 LAN/WAN ports
- Configurable Serial port RS-232/RS-485 MODBUS bridge
- Wi-Fi 2.4GHz/5GHz (802.11 ac) supports up to 64 concurrent connections
- Dual power supply input, 12-48VDC
- Digital IO
- Dual SIM/USIM cards
- Simple web interface for configuration and management
- Automatic WAN failover and failback
- Industrial DIN rail mounting
- Remotely hosted device management platform

Your Applications

- Construction Site
- Home Healthcare
- Mobile Wi-Fi Hotspot
- Remote Monitoring

WiFi

Ethernet, Serial, USB & GPIO interfaces

Financial / Retail

Video Surveillance



RS-232/485



Wireless Service Provider

Modbus Controller

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 8 concurrent VPN tunnels.

SPECIFICATIONS

Models	MTR5-LEU2-B04.R2
Performance	LTE FDD/TDD, DC-HSPA+/HSPA+/HSPA/UMTS, GSM/GPRS/EDGE
Frequency Band	LTE FDD: B1/B3/B7/B8/B20/B28A LTE TDD: B38/B40/B41 3G: 900/2100 MHz 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, 3dBi detachable antennas (Qty 2)
SIM	SIM/USIM, 2 Sockets for failover
LAN	RJ45, 10/100/1000 (3 LAN/1 WAN or 4 LAN) Auto MDI/MDIX
USB	USB Storage Support, 5V/1000mA
Serial Port	DE9, supports RS-232
Second Serial Port	Terminal Block, supports RS-232/RS-485
Power	Terminal block, 12-48VDC Dual Redundant Power Input 1 Digital input and 1 Digital output
Physical Description	
Physical Dimensions (LxWxH)	187 mm x 110 mm x 31 mm
Physical Weight	0.73 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	CE/UKCA
Safety	IEC 62368-1
Network	GCF certified module (Europe and United Kingdom 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, 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

Digital IO: Input and output via SMS and email alerts

ORDERING INFORMATION

MultiConnect rCell 500 Series

Model	Description	Region
MTR5-LEU2-B04.R2-EU-GB	Intelligent LTE Router with Wi-Fi	European Union United Kingdom

Note: 12VDC power supply, EU and GB power blades, Wi-Fi and cellular antennas, Ethernet cable, terminal block plugs, 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

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