MULTITECH ®
CREATE • CONNECT • COMMUNICATE

MultiConnect® rCell 600 Series

LTE OnGo CBRS Industrial Cellular Router

OnGo

DeviceHQ®

MultiConnect® rCell 600 Series cellular routers offer intelligent software and flexible industrial hardware interfaces to provide highly reliable, redundant and secure connections for high-throughput enterprise assets and SCADA applications. With LTE Cat 12 OnGo CBRS (Citizens Broad Band Radio) shared wireless spectrum, the MultiConnect rCell 600 Series is perfect to enable Field Area Networks (FAN) with high-speed access to the internet without compromising performance or interfering with existing wireless networks. Dual-SIM card, data storage and seamless power failover capabilities add an extra layer of confidence when maintaining operations that require continuity of service in environments where system disruption is not an option. DeviceHQ®, built into your MultiConnect rCell purchase, includes remote provisioning, Over-The-Air network diagnostics and firmware updates so you can securely deploy, manage and scale your solution fast.

FEATURES

- FCC Part 96 Authorized end device for Band 48 OnGo CBRS networks
- Approved interoperability with CBRS infrastructure vendors
- Dual-SIM LTE module with failover
- Wi-Fi Compliance IEEE802.11n/ac 2T2R; Multiple (8) SSIDs for privilege group devices or users
- 4 x 10/100/1000 LAN ports with tag based and port based VLANs easily to group control and relocate traffic pattern
- Two wire RS232/RS485 interface for Modbus RTU and various serial communication protocols, and DI/DO for device triggering or event reporting
- Multi-mode data logging function and store collected logs on attached storage for SCADA telemetry
- Fully protocol with NAT/Routing/IPv6 compatible with most IP network
- IPSec, OpenVPN, PPTP, and L2TP VPN support up to 16 concurrent tunnels with max 100Mbps throughput (IPSec)
- Firewall with SPI and IPS function prevent hacker attacking and enhance network efficiency
- SNMP, Telnet CLI, Web UI, TR-069 and DeviceHQ for administration and device management
- QoS and Bandwidth Management for optimal bandwidth usage
- Seamless power failover between redundant DC 12V~48V wide range power input

Your Applications

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

Wi-Fi

Ethernet, Serial, USB & GPIO interfaces

DeviceHQ®

Wireless Service Provider

Financial / Retail

Video Surveillance

RS-232/485

Modbus Controller

HIGHLIGHTS

Applications

The rugged and industrial MultiConnect® rCell 600 Series CBRS router, supporting up to 128 simultaneous Wi-Fi connections, can be deployed to create a super mobile Wi-Fi hot spot within vehicles, ideal for Wi-Fi mobility within construction sites and oil fields where worker productivity requires reliable Wi-Fi coverage on the go without known dead spots at difficult to connect locations. Also within school busses, libraries, community centers and other venues where wired backhaul and social distancing is possible – while eliminating the expensive data cost and plan restrictions associated with traditional cellular enabled data plans.

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.

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.

SPECIFICATIONS

Models	MTR6-L12G1-B04
Private LTE Frequency Band	CBRS (3.5 GHz): Bands 42, 43, 48
Other Frequency Bands	4G: FDD/TDD LTE Bands 1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 14, 18, 19, 20, 26, 29, 30, 32, 41, 42, 43, 46, 48, 66 DC-HSPA+ (42/5.76 Mbps) Bands 1, 2, 4, 5, 6, 8, 9, 19 Unlicensed Bands: LTE-LAA (5 GHz): Band 46
WAN - Ethernet	1 x RJ45 10/100/1000
LAN - Ethernet	4 x RJ45 10/100/1000
WLAN - Wi-Fi	802.11 a/b/g/n/ac 2T2R (2.4G or 5GHz selectable)
Serial Port	1 x RS232/RS485 (2-Wire)
Input / Output	1 x DI ("Logic 0": 0-2V, "Logic 1": 5V-30V), 1 x DO (Relay Mode, up to 30V / 1A)
Log Storage	1 x USB 2.0
Power Source	2 x DC input 12V ~ 48V (Terminal Block), Power Consumption: max. 20W
WAN	Multiple WANs, Failover/Load Balance
Wi-Fi LAN	AP Router, WDS, WDS Hybrid Modes
VLAN	Port-based, Tag-based VLAN
Port Forwarding	Virtual Server/ Computer, DMZ Host, PPTP/L2TP/IPSec Pass-through
Routing	Static, Dynamic: RIP1/RIP2, OSPF, BGP
QoS	Policy-based Bandwidth Control and Packet Flow Prioritization
Virtual COM	RFC2217, TCP Client, TCP Server, UDP
Modbus	Modbus Slave; Modbus Gateway for Modbus TCP, Modbus RTU/ASCII Master/Slave Access
Data Logging	Sniffer, Off-line Proxy, Full-time Proxy, Sniffer & Proxy mixed modes
VPN	IPSec, OpenVPN, PPTP, L2TP, GRE
Firewall	SPI Firewall with Stealth Mode, IPS
Access Control	Packet Filter, URL Blocking, MAC Filter
Cellular Toolkit	SMS, Data Usage, SIM PIN, USSD, Network Scan
Event Handling	Managing / Notifying Events; DI, DO, Modbus, SMS, Syslog, SNMP Trap, Email Alert, Reboot
Configuration & Management	Web, Telnet CLI, Command Script, TR-069, SNMPv3 standard
System Operation	MMI, System Information, System Time / Log, Backup & Restore, Reboot & Reset
SFTP	SFTP Server, User Account
Diagnostic	Packet Analyzer, Diagnostic Tools
Dimension (WxDxH)	62x125x160mm (w/o mounting brackets)
Temperature	Operational: -30° to +70° C / Storage: -40° to +85° C
Humidity	10% to 95% (non-condensing)
Certifications	OnGo FCC Part 96 CBRS, FCC Part 15
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.

ORDERING INFORMATION

MultiConnect rCell 600 Series

Model	Description	Region
MTR6-L12G1-B04-US	Private LTE OnGo CBRS Cat 12 Industrial Cellular Router with US Accessory Kit	USA

Accessory Kit includes: Power supply with US power blade, two cellular antennas, two Wi-Fi antennas, DIN Rail clip, mounting brackets 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.

MULTITECH

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