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Phone : +91-20-27293455, 9764027070, 8390069393 Connecting. Converting. Leading !
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M2M 3G/4G Gigabit Industrial Router with DNP3. Model GSF M2M 200R

Overview



GSF M2M 200R is an intelligent cellular router designed for industrial applications requiring faultless connectivity. It provides a secure, reliable, real-time, remote connectivity for SCADA, distribution management systems, metering etc. Software-defined, multi-carrier networking, Dual SIM models, 802.11n/802.11ac and global 2.5G/3G/HSPA+/LTE options make it easy to get connected. With DIN-rail mounting, wide operating temperature range, and IP30 metal housing, the GSF M2M 200R is a convenient yet reliable solution for any industrial wireless applications.

Benefits

- Advanced Failover: Maximizes uptime by seamlessly switching between the multiple Internet interfaces (cellular, WAN, WIFI, optional dual-SIM).
- Multiple Tunneling Schemes: Secure your data using a variety of VPN tunneling schemes, including IPSec, L2TP, PPTP, OpenVPN and GRE.
- Flexible WIFI: 802.11 b/g/n, configurable WIFI as WAN or access point, WIFI Security (WEP / WPA / WPA2 Mixed Mode) and multiple SSID.
- Ethernet, serial and I/O for connecting diverse field assets.
- Remote Management provides mass configuration, device management, OTA update, and troubleshooting tools.
- 4 Giga Ethernet Port, 1 WAN port and 1 WiFi port
- 1 Serial RS232 or RS485 port
- Support Modbus RTU to Modbus TCP Conversion & DNP3

Specifications

CELLULAR WAN

Supported Frequency Bands

- LTE: B1, B2, B3, B4, B5, B7, B8, B20, B28
- WCDMA: 2100(B1), 1900(B2), 850(B5)
- EV-DO/CDMA: 800(BC0)
- GSM/GPRS/EDGE: 850/900/1800/1900
- Automatic SIM based network operator switching

HOST INTERFACES

- 5 of 10/100/1000 Base-T RJ45 Ethernet port with 1.5KV Magnetic Isolation
- 1 of RS232 or RS485 Serial Console Port with 15KV ESD Protection
- 3 SMA antenna connectors (WI-FI and Double-cellular)
- Active GPS antenna support (option)
- SD Memory Card

INPUT/OUTPUT

- DI (2), DO (1), Relay (1)
- Input ON Voltage: 5 to 30 VDC.
- Input OFF Voltage: 0 to 3 VDC.
- Output < 50mA @ 30VDC.
- Relay:1A 250VAC/30VDC

LAN Protocols

- TCP/IP, UDP, ICMP, Telnet, ARP, DHCP Server, DNS, DDNS, DNS Proxy, SNMP, HTTP, HTTPS, SMTP, Sntp, IP Pass through (option), VLAN, Host Interface Watchdog, PPPoE, Modbus TCP, DNP3 (optional)

SERIAL Protocols

- TCP/UDP PAD Mode, Modbus (ASCII, DTU, Variable), PPP, Reverse Telnet

NETWORK AND ROUTING Protocols

- Network Address Translation (NAT), Port Forwarding, Host Port Routing, Reliable Static Route
- VRRP, Dynamic DNS

VPN

- Secure your data using a variety of VPN tunneling schemes, including IPSec, L2TP, PPTP, OpenVPN and GRE.
- Up to 10 concurrent tunnels
- Split Tunnel
- Dead Peer Detection (DPD)
- Multiple Subnets
- VPN Failover

SECURITY

- Remote Authentication, DMZ
- Inbound and Outbound Port filtering
- Inbound and Outbound Trusted IP
- MAC Address Filtering.

MANAGEMENT INTERFACES

- Web-Based User Interface
- Device Configuration Templates
- Software and radio module firmware updates
- AT Command Line Interface (Telnet/SSH/Serial)
- SNMP
- SMS Commands (Option)
- Support different LAN IP Address (Optional)

WiFi

- Flexible WiFi: 802.11 b/g/n, 802.11ac (5GHz) dual-band WIFI, configurable WIFI as WAN or access point
- WIFI Security (WEP / WPA / WPA2 Mixed Mode) and multiple SSID.
- AP and client mode.
- Adjustable output power (Max: 26dBm)
- Access point for up to 30 clients
- Simultaneous access point/client mode

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GPS (Option)

- Antenna Interface: SMA Female, 50 ohms impedance
- Tracking Sensitivity: better than -144 dBm
- Horizontal position accuracy: 2.5 m
- Time-To-First-Fix: 29 s
- Protocol: NMEA-0183 V2.3

POWER

- 24VDC. Range 5 to 35VDC. 8W
- Communication consumption: <700mA @ 12V
- Reverse Polarity Protection, Over Voltage Protection & 2KV Surge Protection

DIMENSIONS

- Housing & Weight : Metal, 520g
- Dimension : 133 x 115.7 x 45 mm (L x W x H)
- Installation : 34.6 mm Din-Rail or wall mounting or desktop

OPERATION ENVIRONMENT

- Operating Temperature : -35°C to +75°C / -31°F to +167°F
- Storage Temperature : -40°C to 85°C / -40°F to 185°F
- Humidity : 90% RH @ 60°C

Ordering Code : GSF M2M 200R W/L 1/2 D

GSF M2M 200R : Base Model for M2M Gateway with Giga Ethernet Ports
W/L : 3G/LTE
1/2 : Single or Dual SIM
D : DNP3

Note : WiFi, IO : 2*DI, 1*DO & 1*Relay as default
: GPS as an option is available in all the models
: All the 1 SIM card versions can be expandable to 2
: In Dual SIM mode, there are 2 Cellular modules & both SIM work together