Product Overview

*Xentino **MR402LG** is an industrial-grade 4G LTE Cellular Router with 4-port 10/100 Mbps Ethernet interfaces for mission-critical cellular communication. Featured with powerful network protocols and VPN tunnels, Xentino **MR402LG** Industrial 4G LTE Cellular Router provides secure and reliable applications for mobile, M2M, and Industrial Internet of Things (IIoT) deployments.*

*To fulfill the market demand, Xentino **MR402LG** 4G LTE Cellular Router is built with hardened industrial components, approving severe HALT (Highly Accelerated Life Test) certification and wide operation rage from -20 to 70°C for harsh environments. Equipped with Dual SIM and GPS function, the **MR402LG** supports seamless wireless connectivity and displays accurate the fixed locations where the routers position for quickly managing existing devices. With the user-friendly interface, the **MR402LG** enables fast and easy configuration to reduce complicated settings.*

*Enhancing machine and machine communications efficiently for industrial networking, Xentino **MR402LG** Industrial 4G LTE Cellular Router is a highly suitable and cost-effective for your industrial solutions.*
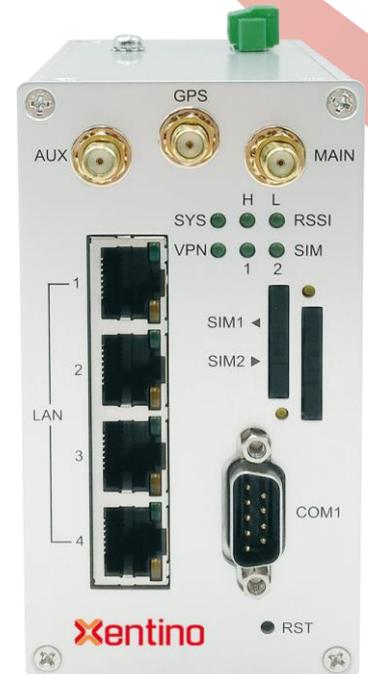
- Provide 4-port 10/100 Mbps Ethernet interfaces
- Support multi-band connectivity with FDD LTE/ TDD LTE/ WCDMA/ GSM/ LTE Cat4
- Built-in dual SIM for network redundancy
- Equipped with GPS for quickly and easily deploying your devices
- Integrated dual detachable antenna against radio interference
- LED indicators for connection and data transmission status
- Industrial rated from -20 to +70°C for use in harsh environments
- Metal housing with IP40 industrial grade protection
- IPv6/IPv4 dual stack and all applications are IPv6 ready
- Enable powerful network protocols with MQTT and SNTP
- Enhance security and encryption for authentication and transmission
- Web-based user-friendly interface for management and configuration

Ordering Information

Model	Description
MR402-LG	Industrial 4G LTE Cellular Router (4 x LANs, 2 x SIM Card Slots , -20 ~ +70°C)

Specifications

LTE Interface
- FDD LTE: B1/B3/B5/B7/B8/B20
- TDD LTE: B38/B40/B41
- WCDMA: B1/B5/B8
- GSM: 900/1800 MHz
- LTE Cat4

Processor & I/O Interface
- High performance 528 MHz CPU with 512 Mbytes of DDR3 memory
- 2 x SIM Card Slots
- 4 x LAN 10/100 Mbps Ethernet ports
- Reset Button
- Console: 1 x RS232 (9-pin Sub-D)
- 2 x SMA connectors for detachable LTE antenna
- 1 x GPS detachable antenna (Optional)

Physical Characteristics
- Enclosure：Metal Shell
- Housing：IP40 Protection
- Dimensions (W x H x D)：60 x 110 x 106 mm
- Weight： 391 g (0.8620 lb)
- Installation：DIN Rail (Default) or Wall Mount (Optional)

LED Display
- 1 x System status LED (Green)
- 1 x VPN status LED (Green)
- 1 x SIM1 status LED (Green)
- 1 x SIM2 status LED (Green)
- Ethernet status LEDs (Green for LINK/ACT, Yellow for SPEED)
- 2 x Mobile connection strength LEDs (Green)

Power Supply
- Power Consumption 7 Watts(Max)
- Power Input 10 ~ 32V DC

Environment
- Operating Temperature   -20 ~ +70°C
- Storage Temperature   -40 ~ +85°C
- Ambient Relative Humidity 10 ~ 95% (non-condensing)
- Humidity   0 ~ 95% (non-condensing)

MTBF (mean time between failures)
- **MR402-LG** : 148,930 hrs   (MIL-HDBK-217-FN2)

Software
- **Network Protocols:**
  IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client, SNTP, GPS sync time, DNS Proxy, VRRP, OSPF, Message Queue Telemetry Transport (MQTT Broker), BGP
- **Routing/Firewall:**
  NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing and RIP-1/2
- **VPN:**
  OpenVPN, IPSec (3DES, AES128, AES196, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP
- **Wireless Connectivity:**
  Two SIM for failover/ roaming over/ back up
  Two SIM data usage control
  Seamless multi WAN connections switch
- **Others:**
  DDNS, QoS, UPnP
- **Alarm:**
  SMS, VPN/WAN Disconnect, SNMP Trap, E-mail

Management Software
- Web GUI for remote and local management, CLI
- Dual Image firmware upgrade by Web GUI
- Syslog monitor
- SNMP, TR069
- Remote management via SSH v2, HTTPS
- Local management via Telnet, SSH v2, HTTP/HTTPS

Standards and Certifications
- **EMC**：CE, FCC
- **EMI**：EN 55032 Class A, FCC Part 15 Subpart B Class A
- **EMS**：EN 55024 / EN 61000-4-2 (ESD) Level 3 / EN 61000-4-3 (RS) Level 3 / EN 61000-4-4 (EFT) Level 4 / EN 61000-4-5 (Surge) Level 3 / EN 61000-4-6 (CS) Level 3 / EN 61000-4-8 (PFMF) Level 4 / EN 61000-4-11 / EN 61000-6-2 (Industrial) / EN 61000-6-4 (Industrial)
- **Rail Traffic**：EN50121-4
- **Vibration**：IEC60068-2-6
- **Safety :** EN60950-1
- **Highly Accelerated Life Test (HALT)**

Dimensions

Left Side View   Front View   Right Side View   Rear View   Top & Bottom View

Xentino Technologies Corp.

www.xentino.com