

Product Overview

XENTINO MR430 and **MR430-W**, compact, lightweight and cost-effective **Industrial 4G LTE Cellular Routers**, are built in 2-port fast Ethernet connection as well as support 2G/3G/4G mobile networks for wired and wireless communication in harsh environments. Equipped with RS232 serial port and digital input/output interfaces, the **MR430** and **MR430-W** are simple to configure and collect real-time data transmission quickly for Industrial IoT and machine-to-machine applications. The **MR430-W** is also compliant with IEEE 802.11b/g/n Wi-Fi connectivity.

Featuring VPN Tunnels, Firewall, TR069, and SNMP Trap, **XENTINO MR430** and **MR430-W Industrial 4G LTE Cellular Routers** enhance highly secure authentication, encryption and management to protect your data efficiently between public and private networking. Supporting -30~+70°C wide temperature operation and flexible input voltage range of 8-48VDC for diverse environments and various applications.

XENTINO MR430 and **MR430-W Industrial 4G LTE Cellular Routers** are suitable and reliable choices for fast deployment and easy configuration to simplify your complicated solutions and fit your services for industrial networking and smart city.



Key Features

- Highly reliable and secure for mission-critical cellular communications
- Compact and lightweight design with 2-port Ethernet interfaces
- Support multi-band connectivity with FDD LTE/ TDD LTE/ WCDMA/ GSM/ LTE Cat 4
- Provide IEEE 802.11b/g/n Wi-Fi standards (MR430-W Model)
- Built-in micro SIM connector, RS232 serial port, and DI/DO interfaces
- Integrated detachable antenna against radio interference
- LED indicators for connection and data transmission status
- Industrial rated from -30 to +70°C for use in harsh environments
- IPv6/IPv4 dual stack and all applications are IPv6 ready
- Support serial communication protocols for rich connectivity
- Enhance security and encryption for authentication and transmission

Ordering Information

| Model | Description |
|-------|--|
| MR430 | Compact Industrial 4G LTE Cellular Router (1xWAN, 1xLAN, 1xRS232, 1xDI, 1xDO, 1xmicro SIM Slot, GPSx1, -30 ~ +70°C) |

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| <p>Cellular Interface</p> <ul style="list-style-type: none"> Standards: (Please see ordering information for optional band) <ul style="list-style-type: none"> 4G: FDD LTE, TDD LTE 3G: WCDMA 2G: GSM/EDGE LTE Data Rate: Cat 4, 150Mbps (DL), 50Mbps (UL) <p>Wi-Fi Interface (MR430-W Model)</p> <ul style="list-style-type: none"> Compliant with IEEE 802.11 b/g/n Wi-Fi standards 2.4 GHz radio band for wireless 2T2R 300 Mbps wireless operation rate Wireless security with WPA2-PSK(AES) Multiple SSIDs Wireless MAC Filtering Wireless client isolation <p>Hardware Interface</p> <ul style="list-style-type: none"> High Performance 550 MHz SoC with 128MByte Flash 1 x Micro SIM Connector (push-push type) 1 x LAN 10/100 Mbps Ethernet port 1 x WAN 10/100 Mbps Ethernet port WPS / RESET Button 1 x RS232 (TXD/RXD/GND) 1 x DI (Non-Isolated), 1 x DO (Non-Isolated) 2 x SMA connectors for detachable LTE Antenna 2 x RP-SMA connectors for detachable Wi-Fi Antenna (MR430-W Model) 1 x SMA connector for detachable GPS antenna <p>Physical Characteristics</p> <ul style="list-style-type: none"> Enclosure : Metal Case Dimensions (W x H x D) : 91mm x 28mm x 74mm Weight : 250 g (0.5512 lb) Installation : DIN Rail (Default) / Wall Mount (Optional) <p>LED Display</p> <ul style="list-style-type: none"> 1 x Power LED 1 x Ethernet LED for each port (LAN/WAN) 1 x RSSI LTE LED 1 x Function LED (User define by Web) <p>Power Supply</p> <ul style="list-style-type: none"> Power Consumption 7 Watts(Max) Power Input 8 ~ 48VDC | <p>Software</p> <ul style="list-style-type: none"> Network Protocols: IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client, PPPoE, Static IP, SNTP, GPS sync time, DNS Proxy, VRRP, OSPF, Message Queue Telemetry Transport (MQTT Broker), BGP, Flow (Modbus master ↔ MQTT client) Routing/Firewall: NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing and RIP-1/2, IPS, Policy Route VPN: OpenVPN, IPSec (3DES, AES128, AES196, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP Wireless Connectivity: WAN WiFi Client Others: DDNS, QoS, UPnP, SMS Action, GPS Track Drawing, GPS TCP Push Alarm: DI, DO, SMS, VPN/WAN Disconnect, SNMP Trap, E-mail, TR069 <p>Management Software</p> <ul style="list-style-type: none"> Web GUI for remote and local management, CLI Syslog monitor SNMP, TR069 FOTA (Firmware over the Air) Remote management via SSH v2, HTTPS Local management via Telnet, SSH v2, HTTP/HTTPS <p>Environment</p> <ul style="list-style-type: none"> Operating Temperature -30 ~ +70°C Storage Temperature -40 ~ +85°C Ambient Relative Humidity 10 ~ 95% (non-condensing) Humidity 0 ~ 95% (non-condensing) <p>Standards and Certifications</p> <ul style="list-style-type: none"> EMC : CE, FCC EMI : EN 301489 , FCC Part 15B Class B EMS : EN 301489 Vibration : IEC60068-2-6 Radio : EN 301511, EN 301908-1, EN 301908-2, EN 301908-13, EN 300328, EN 303413, EN 62311 |
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Options of Bands/Frequencies (MHz)

| Option | 4G | | 3G | 2G | Region |
|-----------|--|---------------------------------|--------------------------------------|--------------------------------------|---|
| | FDD LTE | TDD LTE | WCDMA | GSM / EDGE | |
| E | B1(2100), B3(1800), B5(850), B7(2600), B8(900), B20(800) | B38(2600), B40(2300), B41(2500) | B1(2100), B5(850), B8(900) | B3(1800), B8(900) | Europe, Africa, Middle East Korea, Thailand, India |
| A | B2(1900), B4(1700), B12(700) | | B2(1900), B4(1700), B5(850) | | North America |
| AU | B1(2100), B2(1900), B3(1800), B4(1700), B5(850), B7(2600), B8(900), B28(700) | B40(2300) | B1(2100), B2(1900), B5(850), B8(900) | B2(1900), B3(1800), B5(850), B8(900) | Australia, New Zealand South Africa, Taiwan |
| J | B1(2100), B3(1800), B8(900), B18(850), B19(850), B26(850) | B41(2500) | B1(2100), B6(850), B8(900), B19(850) | | Japan |