

MIR652-W

Dual Network Port 4G Industrial Wireless Router



- ◆ 1 wired LAN port +1 wired WAN port;
- ◆ 1 WLAN wireless local area network
- ◆ 4G communication module supporting Mini-PCIE interface;
- ◆ Support LED status monitoring (display power, Run, Wi-Fi, 4G network connection status and signal strength status, WAN port connection, LAN port connection);
- ◆ Support transparent data transmission from RS-232/485 to the network;
- ◆ Support wired and wireless multi-network simultaneous online, multi-network intelligent switching backup function;
- ◆ Support WAN/LAN mode switching (routing mode 1WAN+1LAN or 2LAN)
- ◆ Support the new generation of peanut shell intranet penetration and dynamic domain name resolution DDNS
- ◆ Support VPN virtual private network, support LLDP protocol and QoS intelligent traffic speed limit.



RoHS



IP40

Product Description

MIR652 series industrial wireless router is a new generation of dual-port 4G router, which is designed and developed specifically for industrial communication network applications, supporting mobile, telecommunications, and China Unicom 2/3/4G. This series of products has rich network connection types, supporting transparent data transmission from RS-232/485 to the network, 1 wired LAN port, 1 wired WAN port and 1 WLAN wireless local area network. At the same time, it also supports wired and wireless multi-network simultaneous online, multi-network intelligent switching backup functions, etc., so that industrial communication is smoother, more reliable, and faster, and meets the continuous innovation needs of customers to increase value-added applications.

Maiwe Communication's wireless router provides a wide range of DC power input. In terms of structural installation, MIR652 series industrial wireless routers use wall-mounted installation or desktop installation; on the core components, the product adopts industrial-grade quality design solutions, with APN automatic network detection, automatic network standard switching, SIM card information display, and instant connection. It can be used for remote field data collection, remote monitoring, field control, etc. It is an indispensable industrial communication product for the development of industrial Internet of Things. At the same time, it provides a wireless long-distance fast networking solution for user equipment, which can set parameters through the built-in web page to meet applications in power systems, industrial monitoring, traffic management, meteorology, water treatment, environmental monitoring, financial securities, coal mines, petroleum and other industries. .

Product Features

- ◆ Support Web multi-platform management configuration mode;
- ◆ Support one-key restart and factory reset function;
- ◆ Wired network ports all support 10/100Mbps rate;
- ◆ Support APN automatic network detection, automatic switching of 2/3/4G standard, SIM card information display, support APN dedicated network card;
- ◆ Support wired and wireless multi-network simultaneous online, multi-network intelligent switching backup function;
- ◆ Support static routing, PPPoE, DHCP, static IP function;
- ◆ Support firewall, NAT, DMZ host, black and white list of access control, IP speed limit, MAC speed limit;
- ◆ Support QoS intelligent traffic speed limit;
- ◆ Support RTC hardware clock and NTP network automatic time calibration;
- ◆ Support WAN/LAN mode switching (routing mode 1WAN+1LAN or 2LAN);
- ◆ Support peanut shell intranet penetration and dynamic domain name resolution DDNS;
- ◆ Support VPN virtual private network;
- ◆ Support SNMP protocol and SNMP Trap report; support LLDP protocol.

Product Specifications

Antenna

| | |
|---------------------------------|---|
| Number of antennas | 1 |
| Antenna interface | SMA interface (outer screw inner hole) |
| SIM card | Voltage: 3V, 1.8V Size: standard large card (small card can be used in a card holder) |
| Support the number of SIM cards | 2 |

Serial Port

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|----------------------------------|--|
| Serial data port (5Pin terminal) | RS-232/485 (two modes cannot be used at the same time) |
| Serial data rate | 300~230400bps |

Network Port

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|--------------------------------------|--|
| Network port type | RJ45 |
| Electromagnetic isolation protection | 1.5kV |
| LAN interface | 1 x 10/100Mbps self-adaptive Ethernet port, support MDI/MDIX, cross-direct connection automatic flip |
| WAN interface | 1 x 10/100Mbps adaptive Ethernet port, support MDI/MDIX, cross-direct connection automatic flip |

Wi-Fi

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|-------------------|---|
| Wireless standard | Support 802.11b/g/n |
| Antenna | 2, SMA interface (outer screw inner hole) |
| Antenna interface | SMA interface (outer screw inner hole) |

Power

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|------------------|---|
| Power supply | 9.0V ~ 36.0V |
| Working current | Average 301mA@12V, peak 218mA@12V |
| Power connector | DC power socket, terminal power supply |
| Power protection | Anti-surge, ESD protection, anti-reverse connection |

Others

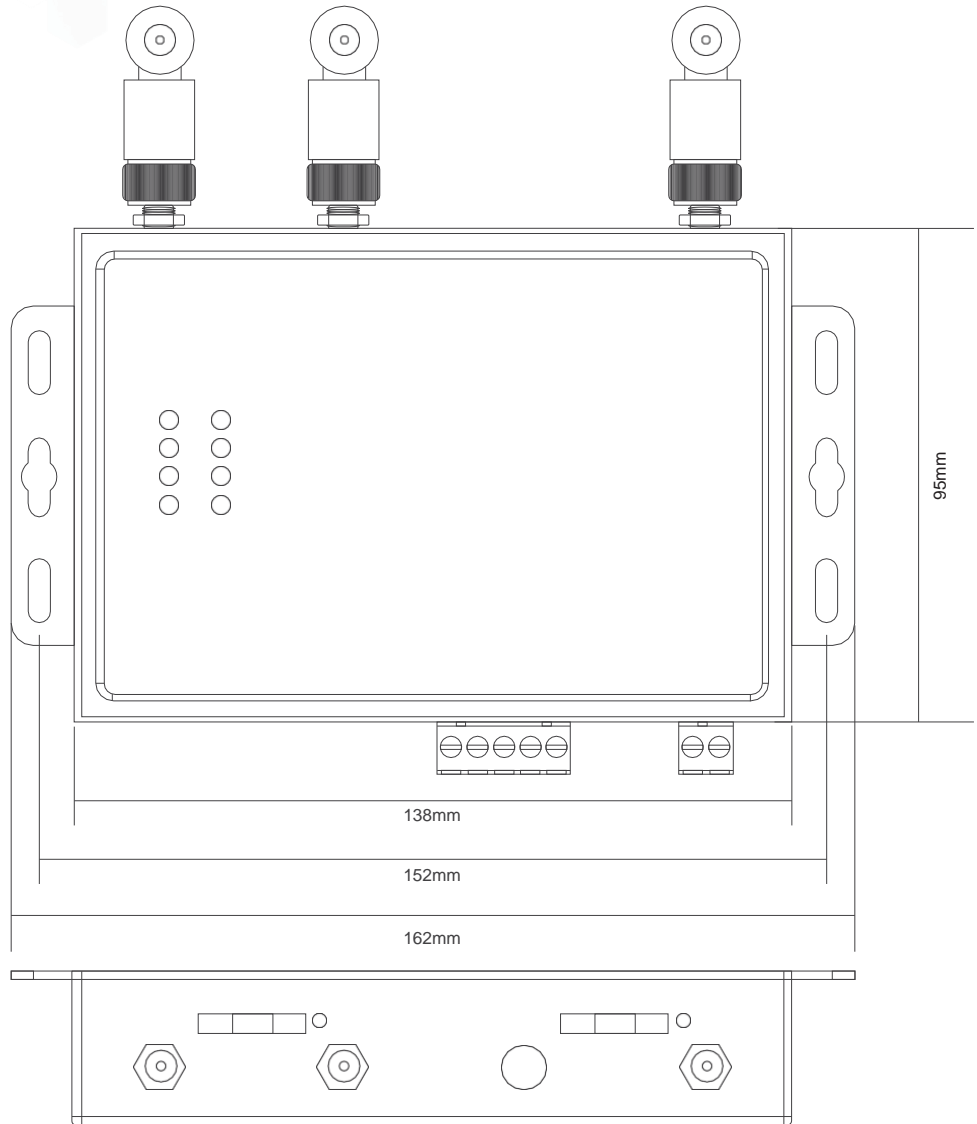
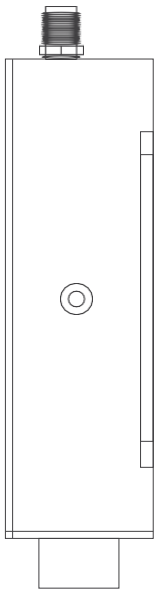
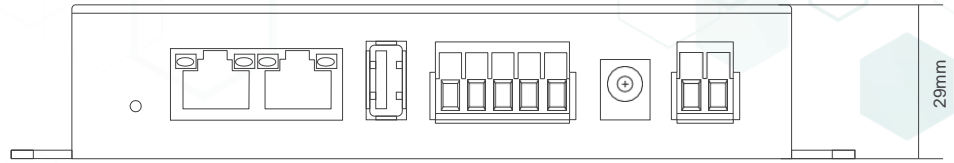
| | |
|----------------------------------|---|
| Operating temperature | 40°C ~ 75°C |
| Storage temperature and humidity | -40 ~ 85°C/5% ~ 95% RH (non-condensing) |
| Physical dimension | 162mm×95mm×29mm (L*W*H) (excluding ears) |
| Installation method | Wall mount, guide rail (need additional guide rail accessories) |

Wireless

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|-------------------|---|
| Network standard | China Mobile/Unicom/Telecom 4G, China Unicom 3G, China Mobile/Unicom 2G |
| Transmission rate | FDD-LTE: Max 150Mbps (downlink)/Max 50Mbps (uplink) |
| | TDD-LTE: Max 130Mbps (downlink)/Max 30Mbps (uplink) |
| | WCDMA: Max 384Kbps (downlink)/Max 384Kbps (uplink) |
| | EDGE: Max 236.8Kbps (downlink) /Max 236.8Kbps (uplink) |
| | PRS: Max 85.6Kbps (downlink)/Max 85.6Kbps (uplink) |

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|---------------------|--|
| Working frequency | LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 WCDMA: B1/B5/B8 GSM/EDGE: B3/B8 |
| Software | |
| User software | No |
| User configuration | Web interface |
| Software parameters | <p>Support domain name resolution DNS, operator private network APN</p> <p>Wi-Fi signal supports WPA/WPA2, WEP and other encryption methods</p> <p>Support dynamic DNS domain name mapping, port mapping function, traffic speed limit function, support QoS DHCP Server, IP-MAC binding, static routing, PPPoE, static IP function, WAN/LAN mode switching</p> <p>Network diagnosis function: support Ping, Traceroute and Tcpdump (network packet capture tool)</p> <p>Support local system log, remote log, local log timing save, support Web upgrade, etc.</p> <p>Support wired and wireless multi-network online at the same time, link backup, dual card backup, wired and wireless backup, watchdog function, automatic detection of network disconnection, automatic restart of dialing failure, one-key restore to factory default configuration, etc.</p> <p>Support immediate restart and scheduled restart function.</p> <p>Support serial port to network transparent transmission: support TCP Server/TCP Client/UDP Server/UDP.</p> <p>Support LLDP protocol, Client and other transmission protocols, SNMP protocol and SNMP Trap reporting Support peanut shell intranet penetration function.</p> <p>Support VPN Client (PPTP/L2TP/OPENVPN/GRE/IPSEC).</p> <p>Support VPN Server (PPTP/L2TP/IPSEC).</p> |

Installation Size



Ordering Information

| Product model | Description |
|---------------|--|
| MIR652-W | Dual network ports, 4G dual card, single standby |