

Product Overview

5G Industrial Router **MR152S** is a new generation of network products launched by **Xentino** for the entire industry. It integrates 5G access technology, WIFI6 technology, routing technology, switching technology, security technology and other network application technologies. Compatible with **5G/4G/LTE** networks, it comes with **4xGigabit Ethernet** ports (WAN/LAN Conf), supports 802.11a/b/g/n/ac/ax WIFI, and 2.4/5.8G dual-band. It can easily form a high-speed, stable wired and wireless transmission network, and can use public 5G/4G/LTE networks to provide users with wireless long-distance data transmission functions.

The latest generation of **Wi-Fi6** technology brings faster speeds, less latency and higher capacity, allowing your network to achieve more simultaneous connections. Easily handle streaming media and games for dozens of devices at the same time-the **OFDMA** function provides strong protection for wireless access networks by providing greater connection capabilities to connect more devices. It can be widely used in finance, transportation, security, water conservancy, environmental protection, electricity, postal services, meteorology, energy, next-generation Internet of Things and other industries.



Main Features

- Supports **4*10/100/1000M** Ethernet interfaces, and WAN/LAN can be configured arbitrarily
- Compatible with all **5G/4G/LTE** networks
- Supports **802.11a/b/g/n/ac/ax** WIFI, 2.4G/5.8G dual-band
- Supports one-key **MESH** networking function and **WPS** function
- Supports 1024-QAM, compared with 802.11ac 256-QAM, the rate is **increased by 25%**
- Support **OFDMA**, separate a single spectrum into multiple units, and enable different devices to share a transmission stream, thereby improving efficiency and reducing latency
- Support multiple protocols: TCP/IP, UDP, HTTP, TELNET, ICMP, DHCP, PPPOE, DNS, DDNS, etc.
- Support static routing and policy routing
- Support **RIP/OSPF** routing protocol
- Support **ACL, NAT** function
- Support firewall, packet filtering, URL filtering and other functions
- Support configuration of **VPN** functions such as **GRE, L2TP, IPSEC, EOIP, VXLAN**, etc.
- Support **DLDP** link detection function, and can quickly switch to the backup link according to the detection results
- Support log function
- Support **CLI, WEB** and **SNMP, TR069** centralized network management
- Support version upgrade and rollback function.

Application Fields

- **Smart manufacturing** : information collection within the factory, communication coordination and control between large-scale machines (including robots), remote control and maintenance of equipment.
- **Smart energy** : real-time data collection and transmission, remote scheduling and coordinated control, high-speed interconnection of multiple systems, and intelligent distributed feeder automation of power grids.
- **Smart transportation**: 5G communication, big data, cloud services, and artificial intelligence to create a new generation of smart transportation systems.
- **Smart security** : high-definition video surveillance, high-definition video surveillance and transmission of mobile vehicles (buses, police cars, live video broadcast vehicles, and special vehicles)
- **Smart logistics** : full-process monitoring and tracking of logistics, drone delivery, smart Energy warehousing.
- **Smart warehousing** : AGV vehicle collaboration, 5G machine vision application, remote dispatch of warehouse management system.
- **Smart park** : massive sensor data collection and processing, AI video monitoring, smart factory, smart travel, smart medical care, smart home, smart finance and other multi-scenario integration.
- **Smart medical care** : remote medical monitoring, real-time remote medical consultation, remote medical emergency rescue guidance.
- **Smart retail** : unmanned retail, data interconnection between commodity source and retail store, intelligent goods dispatch, virtual experience.
- **Smart media**: high-definition video live broadcast, virtual studio, news content production.

| Hardware Specifications | |
|-------------------------|--|
| Fixed Port | 4*10/100/1000M Ethernet interfaces; 2*SIM card slots; 4*5G antenna interfaces; 4*WIFI antenna interfaces; 1*USB interface; 1*Console port; 1*RESET button; 1*MESH/WPS button; 1*RS232 interface; 1*RS485 interface; 1*DI interface; 1*DO interface; 1 standard 3-core power interface; |
| 5G/4G | 5G NR NSA: N1/3/7/28/38/40/41/77/78 5G NR SA: N1/3/5/7/8/20/28/38/40/41/66/77/78 LTE-FDD: B1/2/3/4/5/7/8/20/ 28/66 LTE-TDD: B38/40/41 WCDMA: B1/2/5/8 |
| WIFI | IEEE 802.11ax/n/b/g 2.4GHz - 574Mbps IEEE 802.11ax/ac/n/a 5GHz - 1201Mbps |
| Dimensions | 235*145*35mm (without antenna) |
| Power input | DC12V 1.5A |
| Power consumption | ≤18W |
| Structural design | -20~+70°C |
| Operating temperature | 10~95%RH |
| Working humidity | -40~+85°C |
| Storage temperature | Desktop, wall-mounted, rail-mounted |