M352-5G

Miniature Industrial IoT 5G NR Router

Introduction

Proscend M352-5G Miniature Industrial IoT 5G NR Router features the most compact industrial 5G NR customer premises equipment enabling 5G NR connectivity everywhere in the smart cities, where high-speed IoT applications are rapidly growing.

The M352-5G equipped with 5G NR cellular technology of greater wireless transmission speed and low latency, is perfectly suitable for carrying 8k Ultra HD video stream to the Internet. The purpose-built design of miniature size, lower power consumption, extended operating temperature, optimized cost performance, and two Gigabit Ethernet and DI/DO enables the network designers to place the M352-5G in a small cabinet for a wide variety of IoT applications.

For massive rollouts in smart cities, the M352-5G works with O'smart, the Proscend IoT Management System, for empowering network administrators to remotely monitor, supervise, and upgrade the M352-5G Cellular Routers anywhere, anytime.
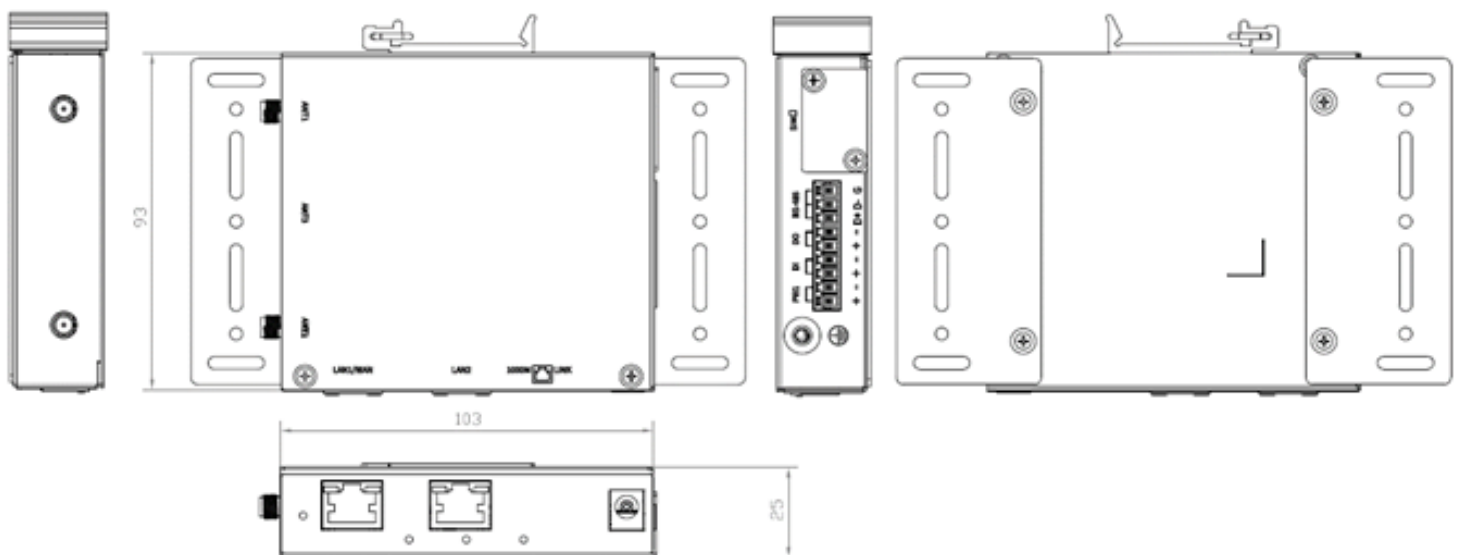
Features

- Miniature dimension 103 x 25 x 93 mm (W x H x D).
- Support multiple band connectivity with 5G NR / FDD LTE / TDD LTE.
- Built-in dual Gigabit Ethernets, Micro SIM slot, DI/DO interfaces.
- Detachable antenna design for using a wide variety of external antennas.
- Industrial rated from -40 to +70°C for use in harsh environments.
- Support massive remote management by O'smart the IoT Management System

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Specifications

Cellular Interface	Environment
■ 5G: NR FDD/TDD	■ Operating Temperature -40 ~ +70°C
■ 4G: LTE FDD/TDD	■ Storage Temperature　-40 ~ +85°C
■ 3G: WCDMA	■ Ambient Relative Humidity 10 ~ 95% (non-condensing)
Hardware interface	■ Humidity　　　　　　　0 ~ 95% (non-condensing)
■ 1 x LAN/WAN 1000Base-T sharing port compliant with 802.3ab	**Software**
■ 1 x LAN 1000Base-T ports compliant with 802.3ab	■ Network Protocols: IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client, Static Routing, Policy Route, Static IP, SNTP, DNS Proxy, Modbus TCP to Modbus RTU, DDNS, QoS, UPnP
■ 1 x Micro SIM slot	
■ 1 x Reset Button	
■ 1 x RS-485 (D+/D-/GND, Non-Isolated)	■ Routing/Firewall: NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, IPS
■ 1 x DI (Non-Isolated), 1 x DO (Non-Isolated)	
■ 2x SMA connectors for 5G Antenna	■ VPN: IPSec (3DES, AES128, AES192, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP
Physical Characteristics	
■ Enclosure： Metal Case	■ Management: Web GUI with HTTPS/HTTP, Dual Image, Syslog, SNMP, SSH v2, SMS Action, O'smart
■ Dimensions (W x H x D)：103 x 25 x 93 mm	
■ Weight：335 g	■ Cellular: Dual APN, IP Passthrough
■ Installation： Wall mounting, DIN-rail mounting, Desktop.	■ Alarm: SMS, VPN/WAN Disconnect, SNMP Trap, E-mail
LED Display	**Standards and Certifications**
■ 1 x Power status	■ NCC & BSMI CNS15936 & CNS15598-1
■ 1 x SIM card presence	
■ 1 x Cellular signal strength	
Power Supply	
■ Terminal block power Input: 10~26VDC	
■ DC Jack Power Input: 12 VDC, 2A	
■ Power Consumption: 18 watts (Max)	

Dimensions

Ordering Information

Model Name	Description
M352-5G	Miniature Industrial IoT 5G Router

NOTE: Features and specifications are subject to change without prior notice.