M351-5G

Industrial IoT 5G NR Cellular Router

Introduction

Proscend M351-5G Industrial IoT 5G NR Cellular Router transforms the Industrial IoT connectivity to the 5G era. The M351-5G features a compact industrial design, lower power consumption, extended operating temperature, flexible power and cable installation, optimum cost performance, RS-232/RS-485, and DI/DO, plus the 5G natures of greater transmission speed and low latency, suits the best of service in various smart city applications.

The M351-5G comes with 4 Gigabit LAN ports, 1 Gigabit WAN port, and dual SIM support to enable critical industrial applications and reliable IoT connectivity for optimal performance and network redundancy. For massive rollout, M351-5G works with O'Smart, the Proscend IoT Management System, to empower administrators to remotely monitor, supervise, and configure the M351-5G Cellular Router anywhere, anytime.
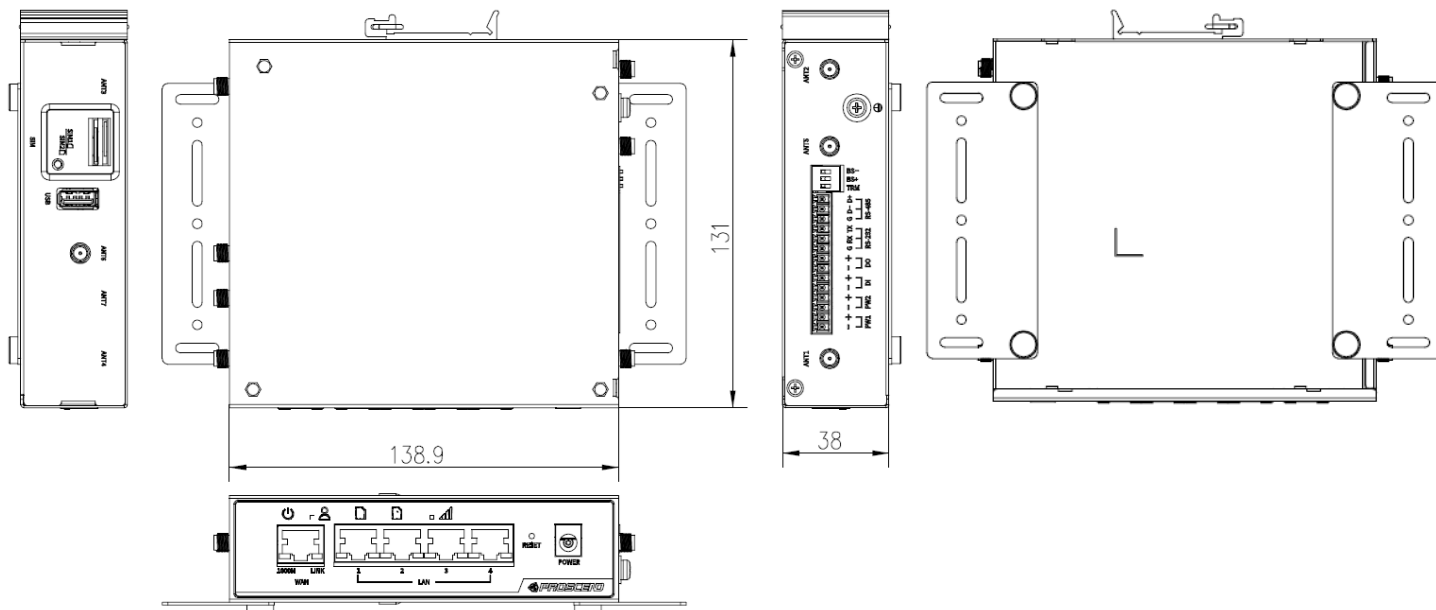
Features

- Support multiple band connectivity with 5G NR / FDD LTE / TDD LTE.
- Built-in dual Micro SIM slots, serial ports (RS-232, RS-485), DI/DO interfaces, USB port.
- Detachable antenna design for using a wide variety of external antennas.
- Industrial rated from -30 to +70°C for use in harsh environments.
- Support massive remote management by O'smart the IoT Management System.

Specifications

Cellular Interface	Power Supply
Cellular Interface	**Power Supply**
■ 5G: NR FDD/TDD	■ Terminal block power Input: 12 ~26 VDC
■ 4G: LTE FDD/TDD	■ DC Jack Power Input: 12 VDC, 2A
■ 3G: WCDMA	■ Power Consumption: 20 watts (Max)
Hardware interface	**Environment**
■ 1 x 1000Base-T WAN port compliant with 802.3ab	■ Operating Temperature: -30 ~ +70°C
■ 4 x 1000Base-T LAN ports compliant with 802.3ab	■ Storage Temperature: -40 ~ +85°C
■ 2 x Micro SIM slots	■ Humidity: 10 ~ 95% (non-condensing)
■ 1 x USB2.0 slot (Reserved)	**Software**
■ 1 x Reset Button	■ 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 RS-232 (TX/RX/GND)	
■ 1 x RS-485 (D+/D-/GND, Non-Isolated)	
■ 1 x DI (Non-Isolated), 1 x DO (Non-Isolated)	
■ 2 x SMA connectors for Antenna TX/RX	■ Routing/Firewall: NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, IPS
■ 2 x SMA connectors for Antenna RX (Reserved)	
Physical Characteristics	■ VPN: IPSec (3DES, AES128, AES192, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP
■ Enclosure: Metal Case	
■ Dimensions (W x H x D): 138.9 x 38 x 131 mm	■ Management: Web GUI with HTTPS/HTTP, Dual Image, Syslog, SNMP, SSH v2, SMS Action, O'smart
■ Weight: 550 g	
■ Installation: Wall mounting, DIN-rail mounting, Desktop.	■ Cellular: Dual APN, IP Passthrough
LED Display	■ Alarm: SMS, VPN/WAN Disconnect, SNMP Trap, E-mail
■ 1 x Power status	**Standards and Certifications**
■ 1 x System operation (user-defined indicator)	■ NCC & BSMI CNS15936 & CNS15598-1
■ 2 x SIM card presence	■ TAICS IoT Cybersecurity Level 2 Certification
■ 1 x Cellular signal strength	

Dimensions

Ordering Information

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