

## 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.

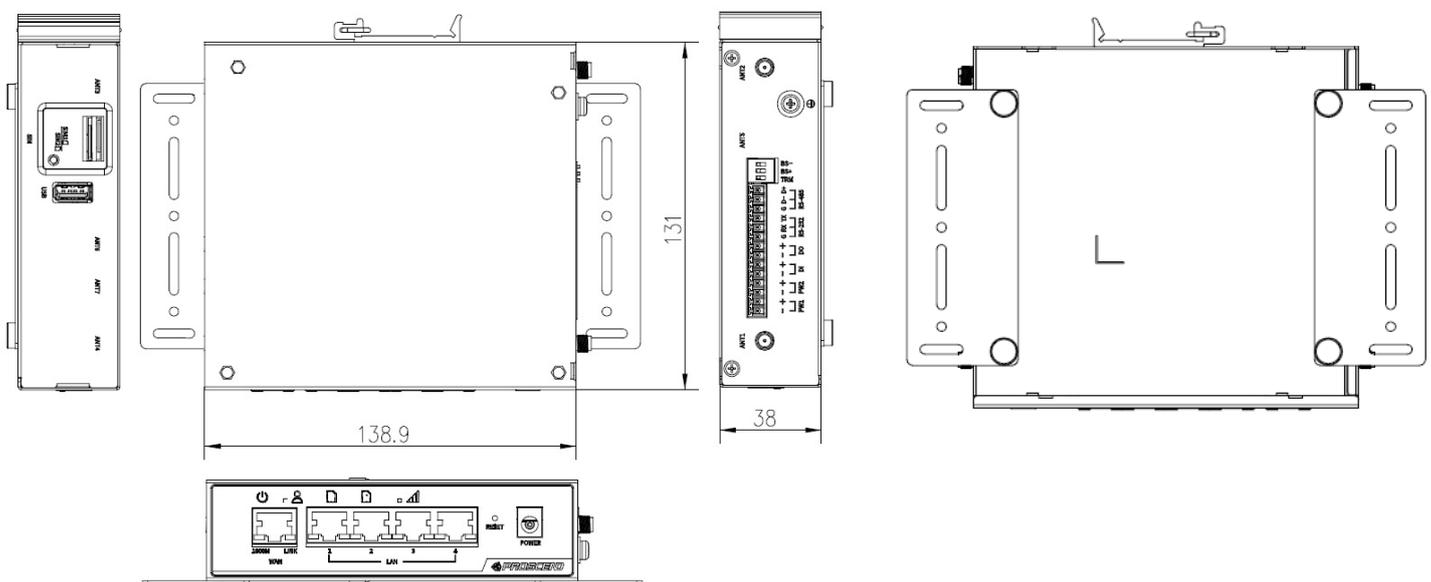
#### Features

- 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

<p><b>Cellular Interface</b></p> <ul style="list-style-type: none"> <li>■ 5G: NR FDD/TDD</li> <li>■ 4G: LTE FDD/TDD</li> <li>■ 3G: WCDMA</li> </ul> <p><b>Hardware interface</b></p> <ul style="list-style-type: none"> <li>■ 1 x 1000Base-T WAN port compliant with 802.3ab</li> <li>■ 4 x 1000Base-T LAN ports compliant with 802.3ab</li> <li>■ 2 x Micro SIM slots</li> <li>■ 1 x USB2.0 slot</li> <li>■ 1 x Reset Button</li> <li>■ 1 x RS-232 (TX/RX/GND)</li> <li>■ 1 x RS-485 (D+/D-/GND, Non-Isolated)</li> <li>■ 1 x DI (Non-Isolated), 1 x DO (Non-Isolated)</li> <li>■ 2x SMA connectors for 5G Antenna</li> </ul> <p><b>Physical Characteristics</b></p> <ul style="list-style-type: none"> <li>■ Enclosure : Metal Case</li> <li>■ Dimensions (W x H x D) : 138.9 x 38 x 131 mm</li> <li>■ Weight : 550 g</li> <li>■ Installation : Wall mounting, DIN-rail mounting, Desktop.</li> </ul> <p><b>LED Display</b></p> <ul style="list-style-type: none"> <li>■ 1 x Power status</li> <li>■ 1 x System operation (user-defined indicator)</li> <li>■ 2 x SIM card presence</li> <li>■ 1 x Cellular signal strength</li> </ul>	<p><b>Power Supply</b></p> <ul style="list-style-type: none"> <li>■ Terminal block power Input: 12 ~26 VDC</li> <li>■ DC Jack Power Input: 12 VDC, 2A</li> <li>■ Power Consumption: 20 watts (Max)</li> </ul> <p><b>Environment</b></p> <ul style="list-style-type: none"> <li>■ Operating Temperature -30 ~ +70°C</li> <li>■ Storage Temperature -40 ~ +85°C</li> <li>■ Ambient Relative Humidity 10 ~ 95% (non-condensing)</li> <li>■ Humidity 0 ~ 95% (non-condensing)</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>■ 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</li> <li>■ Routing/Firewall: NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, IPS</li> <li>■ VPN: IPSec (3DES, AES128, AES192, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP</li> <li>■ Management: Web GUI with HTTPS/HTTP, Dual Image, Syslog, SNMP, SSH v2, SMS Action, O'smart</li> <li>■ Cellular: Dual APN, IP Passthrough</li> <li>■ Alarm: SMS, VPN/WAN Disconnect, SNMP Trap, E-mail</li> </ul> <p><b>Standards and Certifications</b></p> <ul style="list-style-type: none"> <li>■ NCC &amp; BSMI CNS15936 &amp; CNS15598-1</li> </ul>
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## Dimensions



## Ordering Information

Model Name	Description
M351-5G	Industrial IoT 5G NR Cellular Router

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