

M357-5G

Industrial 5G Dual SIM Cellular Router



Introduction

Proscend M357-5G is an Industrial Cellular Router enabling reliable, secured broadband communications over 5G NR and accelerates the speed up to 2.5Gbps as a perfect rival wireless solution exceeding most of the existing fixed-line networks. With the highly integrated semi-conductor and advanced power-saving technologies, extra high throughputs, low latency, and its sophisticated hardened design, the M357-5G is powerful to serve various mission-critical industrial applications and medium business segments requiring non-stop network services.

As of wireless broadband evolution, devices performing at the network edge must be future-proof along with wireless infrastructure migration to 5G, also sustaining the good user experiences on legacy infrastructure. The M357-5G helps users to smoothly migrate from 3G, and 4G LTE to public 5G or private 5G cellular networks, with optimum bandwidth and cost performance.

The M357-5G allows third-party developers and users to add application functions to the router, on top of the OpenWRT platform embedded in M357-5G. The powerful M357-5G hardware running at 2GHz CPU clock and four CPU cores empowers those tailor-made Apps to maximize their values in specific solutions.

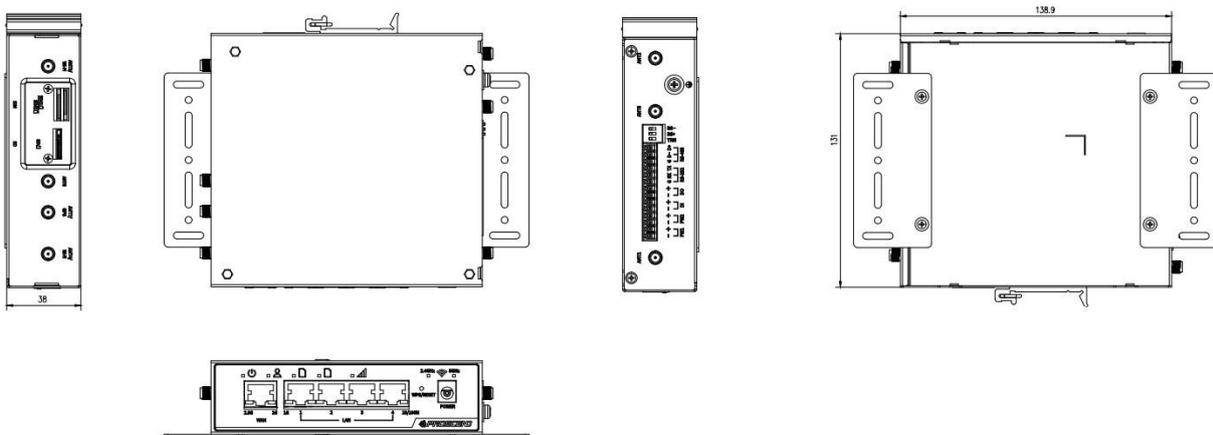
Features

- Support multiple band connectivity with 5G NR / FDD LTE / TDD LTE.
- Dual-SIM design for connecting to two service providers.
- Failover between dual SIM and 2.5G WAN for network resilience.
- Support Dynamic Spectrum Sharing (DSS).
- Industrial design for operation in harsh environments.
- 2.5G Ethernet WAN interface.
- Secured VPN connections and encryption.
- Support 3rd-party Apps on OpenWRT.

Specifications

<p>Cellular Interface</p> <ul style="list-style-type: none"> ■ 5G: NR FDD/TDD ■ 4G: LTE FDD/TDD ■ 3G: UMTS FDD <p>Hardware interface</p> <ul style="list-style-type: none"> ■ 1 x 2.5G WAN port compliant with 802.3bz ■ 4 x 1000Base-T LAN ports compliant with 802.3ab ■ 2 x SIM slots ■ 1 x Micro SD slot ■ 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) ■ 5 x SMA connectors for detachable 5G/LTE/GPS(Passive) Antenna <p>Physical Characteristics</p> <ul style="list-style-type: none"> ■ Enclosure : Metal Case ■ Dimensions (W x H x D) : 138.9 x 38 x 131 mm ■ Weight : 675 g ■ Installation : Wall mounting, DIN-rail mounting, Desktop. <p>LED Display</p> <ul style="list-style-type: none"> ■ 1 x Power status ■ 1 x System operation (user-defined indicator) ■ 2 x SIM card presence ■ 1 x Cellular signal strength 	<p>Power Supply</p> <ul style="list-style-type: none"> ■ Terminal block power Input: 10 ~24 VDC ■ DC Jack Power Input: 12 VDC, 2A ■ Power Consumption: 16 watts (Max) <p>Software</p> <ul style="list-style-type: none"> ■ IPv4, IPv6, DHCP server and client, Static IP, SNTP ■ NAT, Virtual Server, Static Routing ■ VPN: OpenVPN ■ Web GUI with HTTPS ■ Dual Image ■ Syslog monitor ■ SSH v2 <p>Environment</p> <ul style="list-style-type: none"> ■ Operating Temperature -30 ~ +70°C ■ Storage Temperature -40 ~ +85°C ■ Ambient Relative Humidity 10 ~ 95% (non-condensing) ■ Humidity 0 ~ 95% (non-condensing) <p>Standards and Certifications</p> <ul style="list-style-type: none"> ■ NCC & BSMI CNS15936 & CNS15598-1
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Dimensions



Ordering Information

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