

# M561-5G

## Outdoor 5G NR IoT Gateway



### Introduction

Proscend M561-5G Outdoor 5G IoT Gateway is embedded in 5G NR mobile broadband technology and designed to serve Fixed Wireless Access (FWA) applications in 5G or 5G/LTE hybrid networks. The M561-5G brings ultra-high speed in metropolitan and suburban areas where fixed fiber networks are not available and operates outside the buildings for flexible installations and better wireless performance.

Equipped with high-gain directional antennas in a compact form factor, the M561-5G supports up to 7 dBi radio gain in multiple bands for reliable wireless connectivity and rapid deployment at lower cost, only one Ethernet cable is required to carry data and power between the M561-5G and local networks for easing the device installation.

Proscend M561-5G is rated as IP67 to protect from dust ingress and inclement weather in outdoor environments. By taking advantage of robust design, PoE feature, and VPN security, Proscend M561-5G comes with wired and wireless communications matching outdoor use for optimal transmission and reception performance.

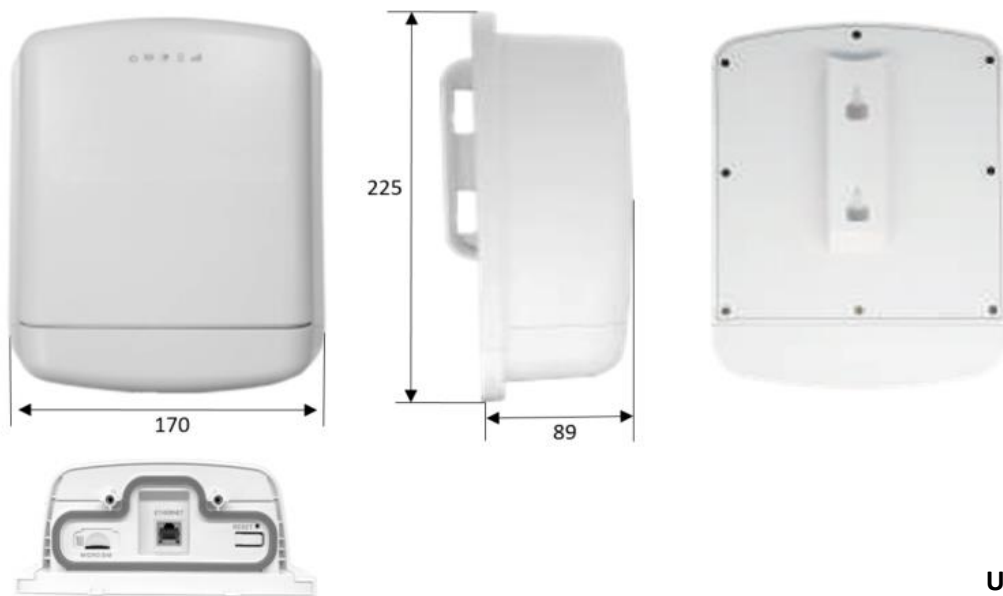
### Features

- High performance on 5G NR.
- Support multi-band connectivity with 5G NR/ FDD LTE / TDD LTE.
- Highly reliable and secure for outdoor cellular communications.
- Embedded high-gain directional antennas against radio interference.
- Support Dynamic Spectrum Sharing (DSS).
- Waterproof and dustproof housing with IP67 grade protection.
- Secured VPN connections and encryption.
- LED indicators for connection and data transmission status.

### Specifications

<p><b>Cellular Interface and Bands</b></p> <ul style="list-style-type: none"> <li>■ 5G: NR FDD/TDD</li> <li>■ 4G: LTE FDD/TDD</li> </ul> <p><b>Hardware interface</b></p> <ul style="list-style-type: none"> <li>■ 1 x Micro SIM Card Slot</li> <li>■ 1 x Gigabit Ethernet port with passive PoE</li> <li>■ 1 x Reset Button</li> <li>■ 1 x Embedded high-gain antennas</li> </ul> <p><b>Physical Characteristics</b></p> <ul style="list-style-type: none"> <li>■ Enclosure: Waterproof Shell</li> <li>■ Housing: IP67 Protection</li> <li>■ Dimensions (W x H x D): 170 x 225 x 89 mm</li> <li>■ Weight: 870 g</li> <li>■ Installation: Pole Mount</li> </ul> <p><b>LED Display</b></p> <ul style="list-style-type: none"> <li>■ 1 x PWR status LED (Green)</li> <li>■ 1 x LAN on/off LED (Green)</li> <li>■ 1 x Internet status LED (Green)</li> <li>■ 1 x SIM card inserted status LED (Green)</li> <li>■ 1 x Signal Strength LED (Green, Orange, Red)</li> </ul> <p><b>Power Supply</b></p> <ul style="list-style-type: none"> <li>■ Power Consumption: 30 Watts (Max)</li> <li>■ Power Input: DC 15V, 2A</li> </ul>	<p><b>Environment</b></p> <ul style="list-style-type: none"> <li>■ Operating Temperature: -30 ~ +60°C</li> <li>■ Storage Temperature: -40 ~ +85°C</li> <li>■ Humidity: 10 ~ 95% (non-condensing)</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>■ IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client</li> <li>■ Static IP, SNTP, DNS Proxy</li> <li>■ NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, IPS</li> <li>■ Static Routing, Policy Route</li> <li>■ VPN: IPsec (3DES, AES128, AES192, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP</li> <li>■ Dual APN: Router only, IP Passthrough</li> <li>■ Alarm: SMS, VPN/WAN Disconnect, SNMP Trap, E-mail</li> <li>■ Other: DDNS, QoS, UPnP, SMS Action</li> <li>■ Management: Web GUI with HTTPS/HTTP, Dual Image, Syslog, SNMP, SSH v2</li> </ul> <p><b>Standards and Certifications</b></p> <ul style="list-style-type: none"> <li>■ MTCTE</li> </ul>
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## Dimensions



Unit: mm

## Ordering Information

Model Name	Description
M561-5G	Outdoor 5G NR IoT Gateway (GbE LAN x 1, Micro SIM Slot x 1, 5G NR x 1, -30°C ~ +60°C)

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