

5G NR Outdoor Modem

5G Sub-6 | 4G LTE | SA & NSA | 2.5 GE LAN | IEEE802.3at PoE PD | IP67 Waterproof & Dustproof

5GR-3563



Great Performance

The 5GR-3563 is equipped with a cross-pole antenna to provide 9dBi peak antenna gain for a better 5G signal reception. Enjoy ultrafast speeds with our interference-proof shieldings, state-of-the-art antenna design and an output power up to 29dBm.

Deployment Flexibility

Alongside the 5G Installer App, the kit offers a comprehensive solution that includes remote management and a flexible mounting kit.

KEY FEATURES

- **Made To Last**

Rigorously engineered and tested to withstand high winds and heat, the 5GR-3563 is fully IP67 compliant and easily weathers harsh environmental conditions with its compact and ruggedized design.

- **Companion Application**

The 5G Installer App is designed to make the installation process easier. With an intuitive interface, the application allows operators to visualize signal strengths in real time and hone the 5GR-3563 towards the optimum base station.

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SPECIFICATIONS	
Hardware interface	<ul style="list-style-type: none">1x 2.5 GE PoE LAN portLEDs:<ul style="list-style-type: none">1x Tri-color signal status LED1x Dual-color Ethernet status LED1x 4FF format Nano SIM card slot1x Reset button
IP Networking	<ul style="list-style-type: none">Supports IPv4/IPv6 dual stack (NDP IPv6)DHCP serverICMP supportedVirtual Private Network (VPN) passthroughMultiple APNs
NAT	<ul style="list-style-type: none">Supports NAT/NAPTSupports DMZSupports port-forwardingSupports ALG
Routing	<ul style="list-style-type: none">Supports bridge or router modes
IP firewall	<ul style="list-style-type: none">Firewall can be enabled or disabled via GUIDoS attack preventionApplication-level firewallFilters LAN IP address
Management	<ul style="list-style-type: none">Supports local/remote device management and firmware upgrade via TR-069 and web GUIAPN managementPIN/PUK managementNetwork selectionNetwork preferenceSupports UPnPTR-069 management with TR-181 data modelConfiguration backup/restoreConnected client listDiagnostic
5G NR Sub 6 Interface	<ul style="list-style-type: none">3GPP Release 16 standard-compliantSupports both NSA and SA modesSupports frequencies:<ul style="list-style-type: none">FDD bands: n1/n3/n5/n7/n8/n20/n28TDD bands: n38/n40/n41/n78SDL Band: n75/n76DL 4x4 MIMO:<ul style="list-style-type: none">FDD bands: n1/n3/n7TDD bands: n38/n41/n78UL 2x2 MIMO:<ul style="list-style-type: none">TDD bands: n78Supports DL modulation QPSK, 16-QAM, 64-QAM and 256-QAMSupports UL modulation QPSK, 16-QAM, 64-QAM and 256-QAMOutput power:<ul style="list-style-type: none">Class 1.5 (29 dBm) for n78Class 2 (26 dBm) for n41/n78Class 3 (23 dBm) for n1/n3/n5/n7/n8/n20/n28/n38/n40

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SPECIFICATIONS	
4G LTE interface	<ul style="list-style-type: none">DL 4x4 MIMO: LTE FDD bands: B1/B3/B7 LTE TDD bands: B38/B41/B42/B43Maximum data rates: DL 1.6 Gbps; UL 200 Mbps3GPP UE DL Category 19, UL Category 18 standard-compliantSupports frequencies: LTE FDD bands: B1/B3/B5/B7/B8/B20/B28/B32 LTE TDD bands: B38/B40/B41/B42/B43Supports DL modulation QPSK, 16-QAM, 64-QAM and 256-QAMSupports UL modulation QPSK, 16-QAM, 64-QAM and 256-QAMOutput power class 3 (23 dBm) for FDD/TDD bands
5G/4G antennas	<ul style="list-style-type: none">Ultra-high band: Up to 9 dBi peak gainHigh band and middle band: Up to 4 dBi peak gainLow band: Up to 2 dBi peak gain
Power Consumption	<ul style="list-style-type: none">Power over EthernetPower consumption at PoE: < 15 W (est.)
Physical Specifications	<ul style="list-style-type: none">Item dimensions (WxDxH): 204 x 143 x 47 mm (8.03" x 5.63" x 1.85")Item weight: 700 g (1.54 lbs)Packing dimensions (WxDxH): 270 x 195 x 115 mm (10.63" x 7.68" x 4.53")Packing weight: 1500 g (3.3 lbs)
ENVIRONMENT	
Physical & Environmental	<ul style="list-style-type: none">Operating Environment Temperature: -30°C to 55°C (-22°F to 131°F) Humidity: 5% to 95% (non-condensing)Storage Environment Temperature: -20°C to 70°C (-4°F to 158°F) Humidity: 5% to 95% (non-condensing)Ingress Protection rating IP67Wind load testing GR 487 standard compliant Level 17 wind force Wind speeds 60 m/sec (132MPH)
CERTIFICATIONS	
Certification	<ul style="list-style-type: none">CEWEEE (Waste Electrical and Electronic Equipment) Directive certificationRoHS (Restriction of Hazardous Substances) Directive certificationHSF (Hazardous Substance Free)European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste



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