

5G NR Outdoor Modem

5G Sub-6 | 4G LTE | SA & NSA | 2.5Gbps Ethernet | 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.

- **Telco Grade ODU solution**

Leveraging our vast annual shipments and design-to-cost expertise, the 5GR-3563 embeds the latest powerful QCM SDX62 chipset for a truly comprehensive 5G experience.

5GR-3563

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

SPECIFICATIONS

SPECIFICATIONS	
IP Networking	<ul style="list-style-type: none">▪ Supports IPv4/IPv6 dual stack (NDP IPv6)▪ DHCP server▪ ICMP supported▪ Virtual Private Network (VPN) passthrough▪ Multiple APNs
NAT	<ul style="list-style-type: none">▪ Supports NAT/NAPT▪ Supports DMZ▪ Supports port-forwarding▪ Supports 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 GUI▪ DoS attack prevention▪ Application-level firewall▪ Filters LAN IP address
Management	<ul style="list-style-type: none">▪ Supports local/remote device management and firmware upgrade via TR-069 and web GUI▪ APN management▪ PIN/PUK management▪ Network selection▪ Network preference▪ Supports UPnP▪ TR-069 management with TR-181 data model▪ Configuration backup/restore▪ Connected client list▪ Diagnostic
5G NR Sub 6 Interface	<ul style="list-style-type: none">▪ 3GPP Release 16 standard-compliant▪ Supports both NSA and SA modes▪ Supports frequencies: FDD bands: n1/n3/n5/n7/n8/n20/n28 TDD bands: n38/n40/n41/n78 SDL Band: n75/n76▪ DL 4x4 MIMO: FDD bands: n1/n3/n7 TDD bands: n38/n41/n78▪ UL 2x2 MIMO: TDD bands: n78▪ Supports DL modulation QPSK, 16-QAM, 64-QAM and 256-QAM▪ Supports UL modulation QPSK, 16-QAM, 64-QAM and 256-QAM▪ Output power: Class 1.5 (29 dBm) for n78 Class 2 (26 dBm) for n41/n78 Class 3 (23 dBm) for n1/n3/n5/n7/n8/n20/n28/n38/n40
4G LTE interface	<ul style="list-style-type: none">▪ 3GPP UE DL Category 19, UL Category 18 standard-compliant▪ Supports frequencies: LTE FDD bands: B1/B3/B5/B7/B8/B20/B28/B32 LTE TDD bands: B38/B40/B41/B42/B43▪ DL 4x4 MIMO: LTE FDD bands: B1/B3/B7 LTE TDD bands: B38/B41/B42/B43▪ Maximum data rates: DL 1.6 Gbps; UL 200 Mbps

5GR-3563

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

SPECIFICATIONS

SPECIFICATIONS	
	<ul style="list-style-type: none">Supports 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
Hardware interface	<ul style="list-style-type: none">One 2.5G RJ-45 PoE LAN portLEDs:<ul style="list-style-type: none">Tri-color signal status LED x1Dual-color Ethernet status LED x14FF format Nano SIM card slot x1Reset button x1
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<ul style="list-style-type: none">Temperature: -30°C to 55°C (-22°F to 131°F)Humidity: 5% to 95% (non-condensing)Storage Environment<ul style="list-style-type: none">Temperature: -20°C to 70°C (-4°F to 158°F)Humidity: 5% to 95% (non-condensing)Ingress Protection rating IP67Wind load testing<ul style="list-style-type: none">GR 487 standard compliantLevel 17 wind forceWind speeds 60 m/sec (132MPH)
Certification	
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

COMTREND

Taiwan:
3F-1, No.10, Lane 609, Chongxin Road, Section 5,
Sanzhong Dist, New Taipei City 241405, Taiwan
Tel: +886-2-29998261

USA & Canada:
530 Technology Dr. Suite 100, Irvine,
CA 92618 USA
Tel: +1-949-753-9640

Spain:
C/ Proci3n, 7 portal 2, 1º C - Edif. Am3rica II
28023 Madrid, Spain
Tel: 34-917990403

Czech Republic:
TOKOVO Jankovcova 1518/2, 170 00, Prague 7,
Czech Republic
Tel: +420-266-782040

www.comtrend.com

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.

DS_5GR-3552_V3.0