

R900 Outdoor 5G/4G CPE

Cellular specifications

Frequency and Speeds	5G NR Interface 3GPP Release 15 Standard Supports NSA and SA modes Supported Bands n1/n3/n5/n7/n8/n20/n28/n41/n77/n78/n38/n40 DL 4x4 MIMO: n1/n3/n7/n38/n40/n41/n77/n78 up to 5 Gbps theoretical download rate 4G LTE UE Category 20 LTE Band: B1,B3,B5,B7,B8,B18,B19,B20,B26,B28,B32,B34/ B38/B41,B42 LTE Data Rate: Downlink up to 1.2 GigBPS Uplink up to 150 Mbps
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Router Features

Security	Multiple VPN pass-through (IPSec, PPTP, L2TP), Stateless and SPI Firewall, Internet Filter, Web Filter
NAT-NAPT	Single Port Forwarding, Port Range Forwarding, Port Range Triggering, Port Filtering, IP Filtering, DMZ, UPnP, Multicast Pass-Through
DNS	DNS Agent, DDNS
Other	IPv4 and IPv6, TCP, UDP, ICMP, ARP, DHCP Server/Client, DHCP Reservation, HTTP/HTTPS, NTP, ALGs, Customization feature: QOS, VLAN(optional)



R900A – Front view

Software

CPE Operation Mode	Embedded Bridge and Router Mode
Connection Status in Web GUI	Network name, Signal strength, Roaming indication, Radio technology, Radio network parameters, Connection status, Connection time, Connection Statistics
Connection management	Connection on demand, Auto Connection, APN database update through browser-based GUI, APN profile, PIN management, Preferred radio network type selection
Support FW version upgrade	Yes
Device Management	TR-069, Remote GUI Log-in
System Security	User account has own password protected mechanism
Browser-based Administration GUI	IE, Firefox, Safari, Chrome

Interface Type

LAN	1 x GigE Ethernet PoE port (RJ45)
Indicator LEDS	Power, Signal, Internal WiFi Status
Antenna	6 High gain 4G/5G directional antennas of up to 10 dBi
SIM/UIM	2 x SIM slots for external 3FF Micro SIM with sealing protection
Power	Standard 3-PIN power jack, reverse-voltage and overvoltage protection. Consumption 16Watts max.
Reset	Restore the router to its original factory default settings

Power Supply / Accessories

Power Adaptor	Input : 100V~240V, 50Hz~60Hz Output: 48V DC, 2A Power over Ethernet (PoE) Injection
Voltage Range	48V DC K.21 enhanced-mode lightning protection
Mounting Bracket	Pole or Facia Mount with Horizontal and Vertical movement
Ethernet Cables	Various lengths – enquire with NB-TEC

Characteristics

Working temperature	-40 ~ +60 deg C
Storage temperature	-40 ~ +70 deg C
Humidity	5%-95% non condensing
Dimensions	255 x 256 x 58 mm
Weight	1.2 Kg
Water proof and Dust proof	IP68
Certification Conformance	Module CE, WEEE, ANZ RCM

