

Data Sheet

5G Outdoor CPE ARE 620



Key Parameters

- 5G supports
- DL 256QAM/UL 256QAM
- CBRS Band
- FOTA/TR069
- High Gain Antenna
- IP 68

Hardware Function

Cellular Bands	
5G NR	n2/n5/n7/n12/n13/n14/n25/n26/n29/n30/n38/n41/n48/n66/n70/n71/n77/n78
LTE	LTE-FDD:B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71
	LTE-TDD:B38/B41/B42/B43/B46(LAA)/B48
Chipset	
Qualcomm SDX62	
5G Mode	
Support SA/NSA	
Category	
Re-16/Sub65G	
DL Cat 19/UL Cat 18	
External port	
1 x 2.5G Ethernet port	
1 x SIM Slot(2FF)	
1 x Reset	
LED	
1 x Power indicator	
1 x Network status indicator	
1 x Tri-color Signal strength indicators	
1 X SIM status indicator	
Antenna	
4x Built-in LTE/NR Antenna	
Antenna Gain	
Option 1: Full Band	600M~960M 7dBi
	1.7G~2.7G 9dBi
	3.3G~4.2G 11dBi
	4.4G~5.0G 6dBi
Option 2: Narrow Band	3.3G~4.2G 17dBi
Carrier Aggregation	
LTE	DL 5CA and UL 2CA
NR	2CA

MIMO	
DL4*4 MIMO NR(Band NR: n2/n5/n7/n12/n13/n14/n25/n26/n29/n30/n38/n41/n48/n66/n70/n71/n77/n78)	
DL 4*4 MIMO LTE(Band LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29 B30/B38/B41/B42/B43/B48/B66/B71)	
UL2*2 MIMO NR(Band NR: n38/n41/n48/n77/n78)	
Maximum transmission power	
5G NR Sub 6 bands	Class 3(23 dBm $\pm$ 2 dB)
n38/n41/n77/n78 HPUE	Class 2(26 dBm $\pm$ 2/-3 dB)
4G LTE	Class 3(23 dBm $\pm$ 2 dB)
B38/B41/B42 HPUE	Class 2(26 dBm $\pm$ 2 dB)
Maximum transmit throughput(theoretical value)	
Downlink	5G NR SA: 2.4Gbps
	5G NR NSA: 2.5Gbps
	4G LTE: 1.6Gbps
Uplink	5G NR SA Sub6: 900Mbps
	5G NR NSA Sub6: 550Mbps
	4G LTE: 200Mbps
Power supply	
DC 20~58V,24V default	
Power consumption	
< 24W	
Dimensions	
288x288x82mm 11.34×11.34×2.3in	
Weight	
<2000g(4.41lbs)	
Humidity	
Operation humidity	5% - 95% (non-condensing)
Storage humidity	5% - 95% (non-condensing)
IP rating	
IP68	
Temperature	
Working temperature	-30 °C to 60 °C -22°F to 140°F
Storage temperature	-40 °C to 85 °C -40°F to 185°F

Software Function

Support System
Windows (Win7/Win8/Win10); Mac (Mac OS 10.10 or above); Linux; Chrome OS
Language
English
WAN
Multi-APN support, maximum four; IP pass-through; IPv4/IPv6 dual stack
LAN
DHCP Server; DNS and DNS proxy; DMZ
Management
TR069; SNMP v2/v3; Web UI; Software upgrade via Web UI/TR069/FOTA; USIM PIN management
VPN and Routing
PPTP; GRE Tunnel(L2/L3); L2TPv2 and L2TPv3; Static routing; NAT/Bridge/Route Mode; Port Mirror and Port Forwarding; IPV4/IPV6 Dual Stack
Security
Firewall; MAC Address Filtering; IP Address Filtering; URL Filtering; Access Control; HTTPS Login from WAN; Dos attack protection; Two level of user authority
Reliability
Watchdog; Auto rollback to previous version when upgrade fails

Certificaiton and Environment Compliance

Certification Compliance (* Partially Certified or Under Certification Process)
CE*; FCC*; RoHS*; REACH*; WEEE*
Environment Compliance
Cold: IEC 60068-2-1; Dry heat: IEC 60068-2-2; Damp heat cyclic: IEC 60068-2-30; Change of temperature: IEC 60068-2-14; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32; Vibration: IEC60068-2-6