

Data Sheet

AUTO-alignment

ARR810



Key Parameters

- Built-in High Gain Antenna
- APP Device Management
- Support CBRS Band
- 2-IN-1 with Wi-Fi 6

Application Scenario

- Office
- Home
- Business Park

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	FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71
	TDD: B38/B41/B42/B43/B46 (LAA) /B48
5G Mode	
Support SA/NSA	
Chipset	
Qualcomm SDX62	
Module	
RG520N-NA	
Category	
Rel-16/Sub6 5G	
DL Cat 19/UL Cat 18	
External port	
1 x 2.5G Ethernet port	
1 x Rotary switch	
1 x SIM Slot (2FF)	
1 x Reset	
LED	
1 x Power indicator	
1 x Network status indicator	
1 x Tri-color Signal indicator	
1 x SIM indicator	
1 x Mode indicator	

Antenna	
8 x Built-in LTE/NR Antenna	
Antenna Gain	
Directional Antenna	>11dBi(3.3GHz~5GHz)
	>5dBi(1.4GHz~2.7GHz)
	>2dBi(0.6GHz~1GHz)
Carrier Aggregation	
LTE	DL 5CA and UL 2CA * Pls contact technical team for detailed CA configuration"
NR	2CA * Pls contact technical team for detailed CA configuration
MIMO	
DL 4*4 MIMO on NR bands:	n2/n5/n7/n12/n13/n14/n25/n26/n29/n30/n38/n41/n48/n66/n70/ n71/n77/n78
DL 4*4 MIMO on LTE bands	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B38/B41/B42/B43/B48/ B66/B71
UL 2*2 MIMO on NR bands	n38/n41/n77/n78
Maximum transmission power	
5G NR Sub 6 bands	Class 3 (23 dBm $\pm$ 2 dB)
n41/n77/n78 HPUE	Class 2 (26 dBm +2/-3 dB)
4G LTE	Class 3 (23 dBm $\pm$ 2 dB)
B38/B41/B42 HPUE	Class 2 (26 dBm $\pm$ 2 dB)
WCDMA	Class 3 (24 dBm +1/-3 dB)
Maximum transmit throughput (theoretical value)	
Downlink	5G NR SA: 2.4Gbps
	5G NR NSA: 2.5Gbps
	4G LTE: 1.6Gbps
	WCDMA: 42Mbps
Uplink	5G NR SA Sub6: 900Mbps
	5G NR NSA Sub6: 550Mbps
	4G LTE: 200Mbps
	WCDMA: 5.76Mbps

Power supply	
DC 20~58V, 24V default	
Power consumption	
< 24W	
Dimensions	
232x145x130mm 9.96×5.71×5.12in	
Weight	
< 1500g(0.93lbs)	
Humidity	
Operation humidity	5% - 95% (non-condensing)
Storage humidity	5% - 95% (non-condensing)
IP rating	
IP65	
Temperature	
Working temperature	-30°C to 55°C -22°F to 131°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

Certification and Environment Compliance

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