

Data Sheet

LTE Outdoor CPE ARM 310



Ideal Use Case

- Fixed Wireless Broadband
- Last Mile Access
- Mission-critical, performance-intensive networks
- Urban and Rural Environments

Key Parameters

High Performance

- up to DL 300Mbps UL 75Mbps

High gain Directional antenna

Support LTE-A Release 10/11

- special band customization

Support B48

- comply with CBSD protocol

Integrated Maintenance and

Management of ODU+Router

IP Rating

- IP65

Hardware Function

Cellular Bands		
LTE	FDD:B1/3/7/8/20/28	
	TDD: B38/40/41/42/43/48	
Chipset		
GCT GDM7243QT		
Category		
Rel-10/11		
Category 6		
External port		
1 x 1G Ethernet port		
1x SIM Slot (2FF)		
1 x Reset		
LED		
1 X Power indicator		
1 X Network status indicator		
1 x Tri-color Signal indicators		
1 x SIM indicator		
Antenna		
4 x Built-in LTE Antenna		
Antenna Gain		
Option 1: Full Band	700M~1G	0dBi
	1.7G-2.1G	5dBi
	2.3G~2.7G	6dBi
	3.4G-3.8G	7dBi
Option 3: Narrow Band	3.4G~3.8G	11dBi
Carrier Aggregation		
LTE	DL 2CA	
MIMO		
DL 4*4 MIMO (According the Band Requirement)		

Maximum transmission power	
4G LTE	Class 3(23 dBm±2 dB)
Maximum transmit throughput^(theoretical value)	
Downlink	TDD: 220Mbps
	FDD: 300Mbps
Uplink	TDD: 15Mbps
	FDD: 75Mbps
Power supply	
DC 20~58V,24V default	
Power consumption	
<8W	
Dimensions	
250x168x58.5mm 9.84×6.61×3.23in	
Weight	
<2000g(4.41lbs)	
Humidity	
Operation humidity	5% - 95% (non-condensing)
Storage humidity	5% - 95% (non-condensing)
IP rating	
IP65	
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
WLAN
Maximum users: 32; Encryption: WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES); Hide SSID broadcasting; AP Isolation; Guest network
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