



MOI5703

5G Outdoor CPE

Key Features



MediaTek T750 single chip solution



5G NR and LTE-A CAT19 dual mode



Support both SA and NSA



Support Europe 5G NR bands



Support POE power supply, comply to 802.3at/af



Support Web, TR069 and MQTT based device management



IP67 water and dust proof



Built-in high-gain antennas for rural areas

Enjoy the Gigabit era with 5G technology

MOI5703 Outdoor CPE supports various 4G/5G spectrums and ultra high speed and has built-in high-gain directional antennas to expand signal coverage. Up to IP67 with water-proof, shock-resistant, and lightning-proof, combined to ensure the quality of wireless communication under different outdoor environments.



Office



Business



Home

Hardware Specifications

Chipset	MediaTek T750	
5G Mode	Support SA/NSA	
Category	Rel-15/Sub6 5G DL Cat 19/UL Cat 18	
Cellular Bands * Pls contact technical team for final band customization	5G NR:	n1/n3/n5/(n71)/n7/n8/n20/n28/n38/n40/n41/n75/n76/n77/n78
	LTE:	FDD: B1/B3/B5 (B71)/B7/B8/B20/B28/B32
		TDD: B38/B40/B41/B42/B43
WCDMA	B1/B5/B8	
External port	1 x 2.5G Ethernet port 1 x SIM Slot (2FF) 1 x Reset	
LED Indicators	1 x Power indicator 1 x Network status indicator 1 x Tri-color Signal strength indicators 1 x SIM status indicator	
Antenna port	4 x Built-in LTE/NR Antenna Optional external 1x parabolic antenna	
Antenna Gain	Full Band	Narrow Band
	700MHz~960MHz : 2dBi	
	1.7GHz~2.7GHz : 9dBi	3.5G~3.8G 17dBi
	3.3GHz~5GHz : 15dBi	
Carrier Aggregation & MIMO	DL 4 × 4 MIMO: n1/n3/n5/(n71)/n7/n8/n20/n28/n38/n40/n41/n77/n78 UL 2 × 2 MIMO: n38/n40/n41/n77/n78	

Hardware Specifications

Maximum transmission power	5G NR bands: Class 3 (23 dBm \pm 2 dB) 5G NR HPUE 2 bands (n41/n77/n78): Class 2 (26 dBm +2/-3 dB) 5G NR HPUE 2 bands (n41/n77/n78): Class 1.5 (29 dBm +2/-3 dB) LTE bands: Class 3 (23 dBm \pm 2 dB) LTE HPUE 2 band (B41): Class 2 (26 dBm +2/-3 dB) WCDMA bands: Class 3 (23 dBm \pm 2 dB)
Maximum transmit throughput (theoretical value)	Downlink 5G NR SA : 4.67Gbps 5G NR NSA : 4.67Gbps 4G LTE : 1.6Gbps WCDMA : 42Mbps
	Uplink 5G NR SA Sub6 : 1.2Gbps 5G NR NSA Sub6 : 836Mbps 4G LTE : 211Mbps WCDMA : 11.5Mbps
Power supply	DC 20~58V, 24V default
Power consumption	< 24W
Dimensions	288mm x 288mm x 82mm
Weight	< 2000g
IP rating	IP67
Temperature	Working temperature: -30°C to 70°C Storage temperature: -40°C to 80°C
Humidity	Operation humidity: 5% - 95% (non-condensing) Storage humidity: 5% - 95% (non-condensing)

Software Specifications

Support System	Windows (Win7/Win8/Win10) Mac (Mac OS 10.10 or above) Linux Chrome OS
Language	English
WAN	Multi-APN support, maximum four IPv4/v6 dual stack
LAN	DHCP Server DNS and DNS proxy DMZ
Management	TR069 Web UI Software upgrade via Web UI/TR069/FOTA USIM PIN management MQTT management
VPN and Routing	PPTP (Client Mode only) L2TPv2 (Client Mode only) NAT/Bridge 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 <i>(*Available on a customer demand basis)</i>	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