



MOI5704

5G Outdoor CPE

Key Features



MediaTek T750 single chip solution



3GPP Release 15



Support both SA and NSA



Self Installation



Support POE power supply, comply to 802.3at/af



Support Web, TR069, APN, and MQTT based device management



IP65 water and dust proof



Built-in high-gain antennas for rural areas

Enjoy the Gigabit era with 5G technology

Featuring an advanced composite antenna design, the device delivers 360° horizontal coverage and improves edge performance by up to 40%. The high-gain antenna, with up to 13 dBi, expands the base station coverage area by nearly 50%. Compared to indoor setups, outdoor signal strength improves by 15-25 dB, while data speeds increase by 100%-200%. With LED guidance and an intuitive app, users can easily find the optimal installation direction, enabling seamless high-speed 5G connectivity.



Installed on window



Installed on wall

Hardware Specifications

Chipset	MediaTek T750	
5G Mode	Support SA/NSA	
Category	3GPP Release 15 NSA/SA operation, Sub-6 GHz	
Cellular Bands * Pls contact technical team for final band customization	5G NR NSA	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78
	5G NR SA	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78
	LTE FDD	B1/B3/B5/B7/B8/B20/B28
	LTE TDD	B38/B40/B41/B42/B43
	WCDMA	B1/B5/B8
Maximum transmit throughput (theoretical value)	5G NR SA	DL 4.67 Gbps; UL 1.25 Gbps
	5G NR NSA	DL 4.67 Gbps; UL 836 Mbps
	LTE	DL 1.6 Gbps; UL 211 Mbps
External port	1 x 2.5G Ethernet port 1 x SIM Slot (2FF) 1 x Reset	
LED Indicators	1 x Power indicator 1 x SIM status indicator 2 x Network status indicator	
Antenna port	8 x Built-in LTE/NR Antenna	
Antenna Gain	Full Band	
	700MHz~960MHz : 2dBi	
	1.7GHz~2.7GHz : 6dBi	
	3.3GHz~5GHz : 13dBi	

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 band (B41): Class 2 (26 dBm +2/-3 dB) WCDMA bands: Class 3 (23 dBm \pm 2.7 dB)
Power supply	DC 20~58V, 24V default
Power consumption	< 24W
Dimensions	210mm x 130 mm x 40mm
Weight	< 1000g
IP rating	IP65
Temperature	Working temperature: -30°C to 55°C Storage temperature: -40°C to 70°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 APN management Operating frequency band selection
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 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* 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