

MOI5705

5G Outdoor CPE



Key Features



MediaTek T830 single chip solution



5G NR and LTE-A CAT19 dual mode



Support both SA and NSA



Support Europe/Asia 5G NR bands



Support POE power supply, comply to 802.3at/af



Support Web, TR069, APN, 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

The MOI5705 Outdoor CPE supports multiple 4G and 5G spectrums, delivering ultra-fast data speeds. Equipped with high-gain directional antennas, it significantly expands signal coverage for stable outdoor connectivity.

Its IP67 rugged design offers protection against water, impact, and lightning, ensuring dependable performance in even the harshest outdoor conditions.



Office



Business



Home

Hardware Specifications

Chipset	MediaTek T830	
5G Mode	Support SA/NSA	
Category	Rel-16/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/B46 (LAA)
	WCDMA	B1/B5/B8
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	
Data Rate (Max)	5G NR SA	7.01 Gbps (DL)/ 2.5 Gbps (UL)
	5G NR NSA	5.67 Gbps (DL)/ 1.46 Gbps (UL)
	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 1 x Network status indicator 1 x Tri-color Signal strength indicators	
Antenna port	4 x Built-in LTE/NR Antenna	
Antenna Gain	Full Band	Narrow Band
	700MHz~960MHz : 2dBi	
	1.7GHz~2.7GHz : 9dBi 3.3GHz~5GHz : 15dBi	3.5G~3.8G 19dBi

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)
Power supply	DC 20~58V, 24V default
Power consumption	< 24W
Dimensions	395mm x 395mm 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/Win11) 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* 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