M.gear

MII5262
5G Sub-6 Indoor CPE

Key Features

- **MediaTek T750 chip solution**

- **5G NR and LTE-A dual mode**

- **Support both SA and NSA**

- **Support Europe/Asia 5G NR bands**

- **Support Wi-Fi 6 (802.11ax)maximum 3.0 Gbit/s throughput**

- **Reliable software features supporting router functions**

- **Web, TR069 and MQTT based device management**

Enjoy the Gigabit era with 5G technology

MII5262 Indoor CPE aims to enable global carriers and partners to have the most advanced 5G experience. With this product, consumers will enjoy a higher data rate of wireless broadband than the fiber optic internet without the fetter of the cable or fiber. MII5262 Indoor CPE is compatible with 5G networks and spectrums, and the throughput on the real network is 10 times higher than 4G LTE, providing the customers with new broadband experience in a variety of environments including home, office, business, etc.

Office

Business

Home

Hardware Specifications

Technical standard	WAN	5G NR/LTE/WCDMA
	LAN	IEEE 802.3/802.3u/802.3ab
	WLAN	IEEE 802.11b/g/n/ac/ax(Wi-Fi 6)
Cellular Band	5G NR	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78
	LTE	B1/B3/B5/B7/B8/B20/28/B32/B38/B40/B41/B42/B43
	WCDMA	B1/B5/B8
	WLAN	2.4GHz and 5GHz with 1024-QAM support
External port	1 x DC jack 2 x RJ45 Gigabit Ethernet port 1 x Voice POTS Port(Optional) 1 x SIM Slot (4FF NANO)	
Antenna	8 build-in NR/LTE antenna 3 build-in WIFI antennas, AX3000 solution, 2.4G: 21.5dBm; 5G: 21dBm	
LED Indicators	1 x Power indicator 1 x WLAN indicator 1 x Net indicator 1 x Tri-color signal strength indicator	
Button	1 x Reset Button 1 x Multi-Function Button	
Carrier Aggregation	DL: 4X4 MIMO, up to 5CA, 256QAM; UL: 2X2 MIMO, 2CA, 256QAM	
Maximum transmission power	5G NR Sub 6 bands	Class 3 -- 23 ± 2dBm
	n40/41/77/78 HPUE	Class 2 -- 26 +2/-3dBm
	4G LTE	Class 3 -- 23 ± 2dBm
	WCDMA	Class 3 -- 24 + 1/-3dBm
Cellular data throughput	5G SA	Downlink: 4.67Gbps; Uplink: 1.25Gbps
	5G NSA/ENDC	Downlink: 4.67Gbps; Uplink: 836Mbps
	LTE	Downlink: 1.6Gbps; Uplink: 211Mbps
Power supply	DC 12V/2A	
Power consumption	<24W	
Dimensions	105mm x 105mm x 216mm	
Weight	<500g	
Humidity	5% - 95% Non-condensing	
Temperature	Working temperature: -10°C to 45°C Storage temperature: -40°C to 70°C	

Comments:
① Cellular data throughput is the theoretical value of the module.

Software Specifications

Data Services	Multi APN	
	IPV4/IPV6 dual stack compliance	
LAN	DHCPV4/DHCPV6 server/client	
	DNS relay	
	DMZ	
	UPNP	
WLAN	IEEE 802.11a/b/g/n/ac/ax	
	MU-MIMO	
	Support 20 MHz, 40 MHz, 80 MHz, and 160 MHz modes	
	AP isolation	
	Service set identifier (SSID) hiding	
	Guest network	
Management	Version management	Image Checksum
		Active version and backup version
		Rollback mechanism when upgrade fail
	FOTA	
	TR069	Upload/Download the ACS specified file
		Download the configuration file
		Configure & Queries parameters
		Remote upgrade
		Remote debugging operations
		Cycle monitor
	WebGUI	Different level of user login priority and different limitation and display
		Encryption backup current settings and restore the backup settings
		Export of current diagnosis results and operation logs
		Statistics of WAN/LAN link status, transmit and receive traffic and up time
	Network Diagnostics	
	USIM PIN management and card authentication	
	CBSD(work only on CBRS band)	
	Schedule reboot	
	MQTT management	
VPN	PPTP (Client Mode only)	
	L2TP (Client Mode only)	
Security	Firewall	
	Mac address filtering	
	IP address filtering	
	URL filtering	
	HTTPS Login from WAN	
	DDOS attack protection	
	Hierarchical user management	

Certification and Environment Compliance

Certification Compliance *(*Available on a customer demand basis)*	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	