



Company Introduction

Nanjing Yoong Win Situation Awareness Technology Co., Ltd., a wholly-owned subsidiary of Yoong Win Group, has been executing the Group’ s strategic direction since 2019. The strategy focuses on expanding and optimizing the domestic market ecosystem while competing globally through independent innovation. By leveraging the Group’ s advantages in technology, application scenarios, and management, the company has adopted effective measures including R&D, overseas expansion, internal reform, and investment optimization. The Group’ s total investment reaches RMB 215 million, with R&D investment of RMB 180 million in the past three years. This strategy has enabled the company to maintain its technological edge, keep updating databases and achievements, and apply R&D outcomes to subsidiary operations, leading to market recognition, expanded market share, and significant social and economic value.

As of December 2024, the Group has:
28 direct branches
Achieved total sales of RMB 700 million in 2023, which was replicated by October 2024.



R&D Achievements

1000⁺

Intellectual Property
Rights Acquired

¥ 180M⁺

Invested in R&D
over the past 3 years



Enterprise Qualifications

9

National High-Tech
Enterprises

5

Above-Scale
Enterprises

1

National High-Tech
Enterprises

3Years

Awarded "Nanjing
Gazelle Enterprise"
(2022-2024)

Product Presentation

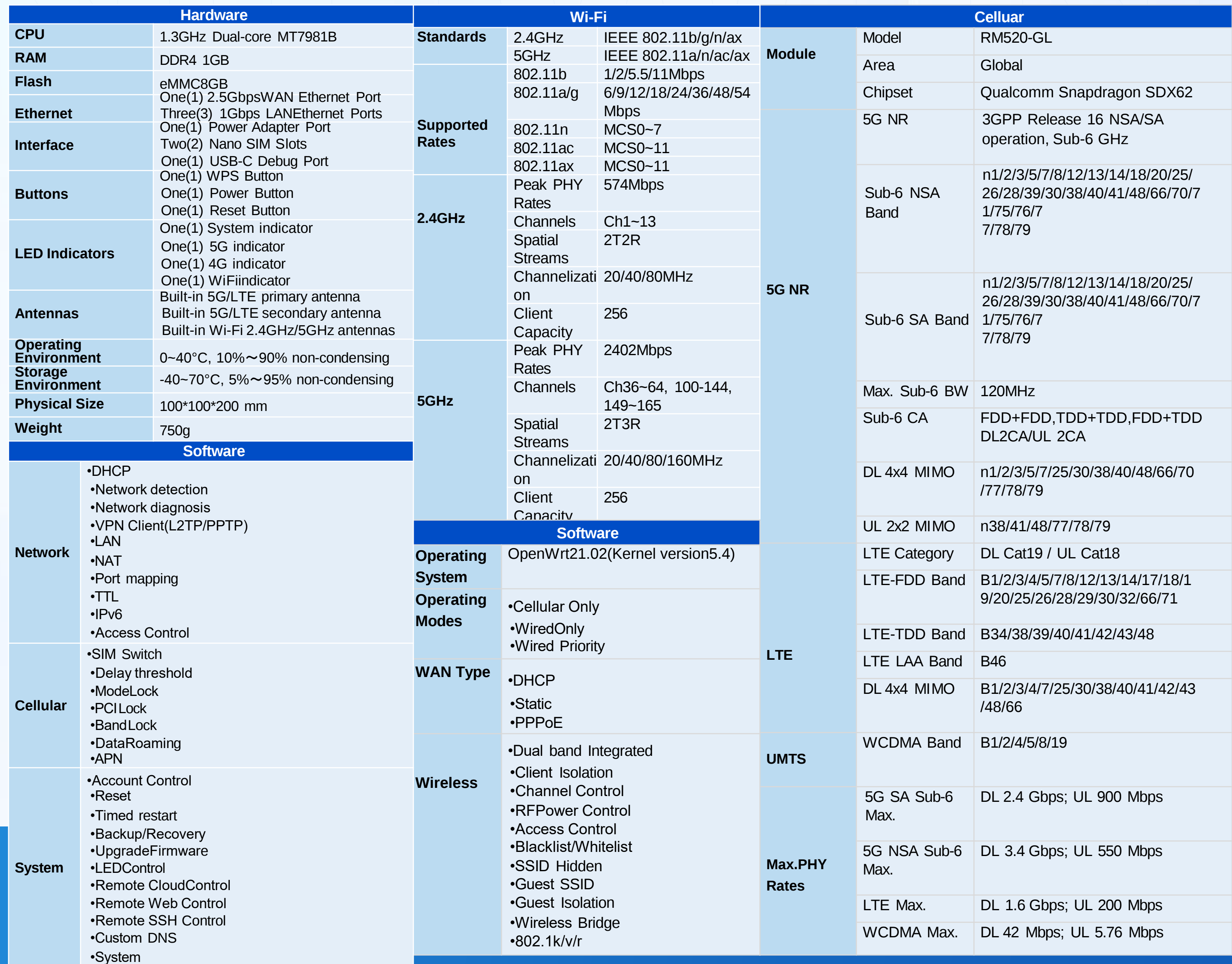
Yoongwin Wireless Network Equipment

(AK68-768GL)_A0



Hardwareparameters		Cellularparameters		
CPU	Mediatek Dual-coreMT7981B,@1.3GHz	5Gmodule	model	RM520-GL
internal storage	256MB		region	thewholeworld
Flash	16MB		terrace	QualcommSnapdragonX62
network port	One10/100/1000/2500MbpsPoEport	5GNR	5GNR	3GPPRelease16NSA/SAoperation,Sub-6GHz
SIMcards lot	1dual NanoSIMcards lot		Sub-6NSABand	n1/2/3/5/7/8/12/13/14/18/20/25/26/28/39/30/38/40/41/48/66/70/71/75/76/77/78/79
Otherinterfaces	1USB-Cdebugginginterface		Sub-6SABand	n1/2/3/5/7/8/12/13/14/18/20/25/26/28/39/30/38/40/41/48/66/70/71/75/76/77/78/79
key	1Resetkey		Max.Sub-6BW	120MHz
pilotlamp	1systemlight		Sub-6CA	FDD+FDD,TDD+TDD,FDD+TDDDL2CA/UL2CA
antenna	Fivesetsofbuilt-inantennas		DL4x4MI MO	n1/2/3/5/7/25/30/38/40/48/66/70/77/78/79
Workingtemperatureand humidity	-20~55°C,10%~90%nocondensation		UL2x2MI MO	n38/41/48/77/78/79
Storagehumidity	-40~70°C,5%~95%nocondensation		LTE	LTECategory
Externaldimensions	220*220*35mm	LTE-FDDBand		B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71
Overallweight	About780g	LTE-TDDBand		B34/38/39/40/41/42/43/48
Lightningprotectionrating	4KV	LTELAABand		B46
Powerspecifications	Standard PoE802.3af	DL4x4MI MO		B1/2/3/4/7/25/30/38/40/41/42/43/48/66
Wi Fi	2.4GHzWiFi 6287Mbps(fordeviceconfigurationonly)	UMTS	WCDMABand	B1/2/4/5/8/19
Softwareparameters		Max.PHYRates	5GSASub-6Max.	DL2.4Gbps;UL900Mbps
Cellularfunc-tionality	•SIMcardswitchautomatic/manual •Automaticcheckcard network delaythresholdsetting •Network modesetting •Frequencylocking •Bandlocking •Dataroaming •user-definedAPN		5GNSASub-6Max.	DL3.4Gbps;UL550Mbps
			LTEmax.	DL1.6Gbps;UL200Mbps
			WCDMAmax.	DL42Mbps;UL5.76Mbps
Softwareparameters				
		Operating system	OpenWrt21.02(Kernelversion5.4)	
systemfunc-tion	•Accountmanagement •Restartimmediately •Restartatscheduledtime •Back up and Recovery Local/onlineupgrade •LEDcontrol •Cloud remotecontrol •Cloudwebcontrol •CloudSSHcontrol •user-defined DNS •systemlog •cellphoneApp	Network functions	•DHCP •Networkdedetection •Networkdiagnostics(Ping/routing trace/Nslookup) •VPNclient(L2TP/PPTP) •LANSettings •hardwareNAT •portmapped •TTLsetup •IPv6Settings •accesscontrol	

YONGWIN



C5800-668GL Datasheet A0



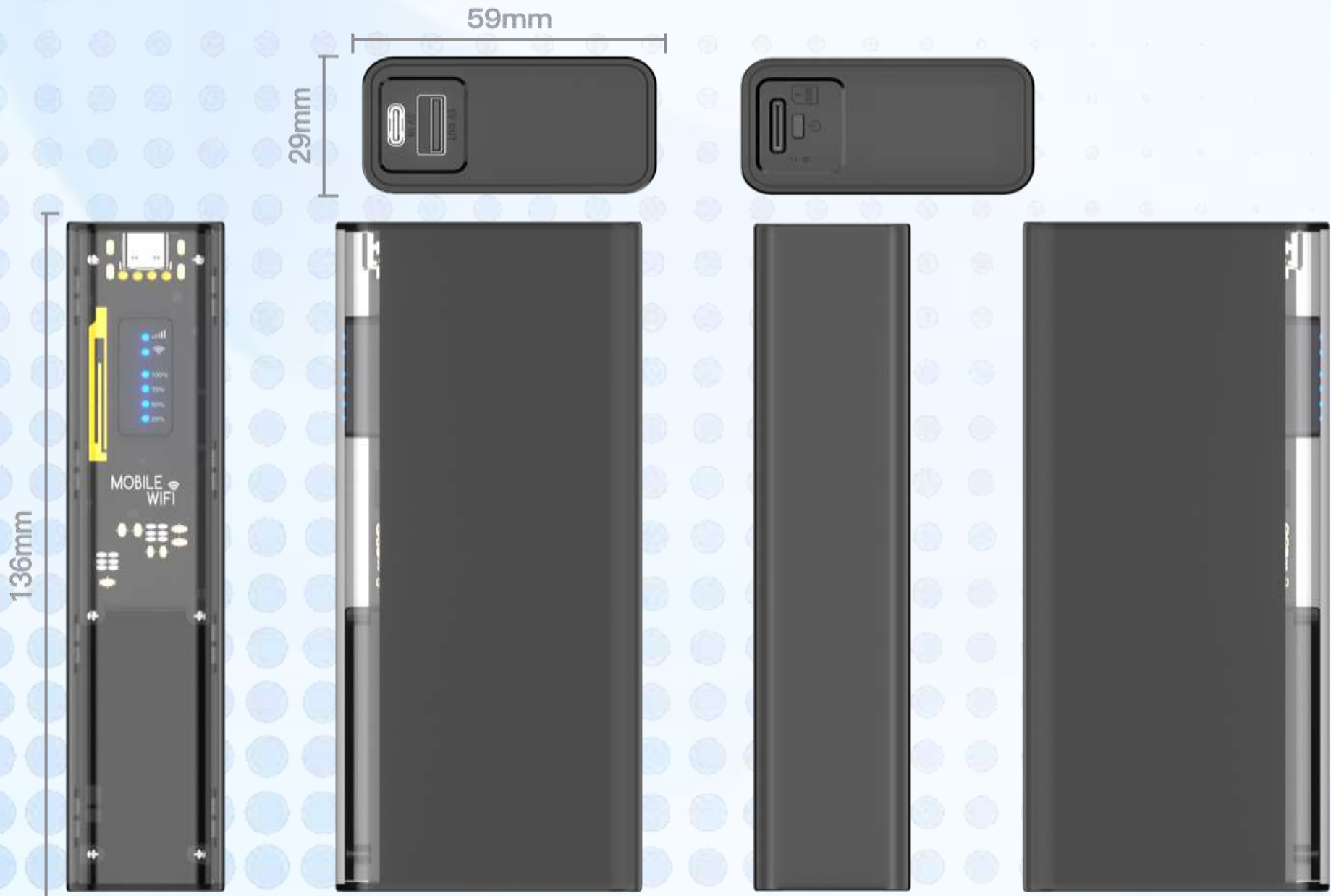
Hardware		Wi-Fi			Software	
CPU	1.3GHz Dual-core MT7981B	Standards	2.4GHz	IEEE 802.11b/g/n/ax	OperatingSystem	Linux
RAM	DDR4 1GB		5GHz	IEEE 802.11a/n/ac/ax	Operating Modes	• Celluary Only • Wired Only • Wired Priority
Flash	eMMC 8GB		802.11b	1/2/5.5/11Mbps		
Ethernet	One(1) 2.5Gbps WAN Ethernet Port Three(3) 1Gbps LAN Ethernet Ports	802.11a/g	6/9/12/18/24/36/48/54Mbps	WAN Type		
	Interface	One(1) Power Adapter Port Four(4) Standard SIM Slot	802.11n		MCS0~7	
Buttons	One(1) Reset Button	802.11ac	MCS0~11		Wireless	• Dual band Integrated • Client Isolaton • Channel Control • RF Power Control • Access Control • Blacklist/Whitelist • SSID Hidden • Guset SSID • Guset Isolation • Wireless Bridge • 802.1k/v/r
LED Indicators	Three(3) Cellular indicatorsOne(1) System indicatorOne(1) 5G indicatorOne(1) 4G indicatorOne(1) Internet indicatorOne(1) WiFi indicator	2.4GHz	802.11ax	MCS0~11		
			Peak PHY Rates	574Mbps		
			Channels	Ch1~13		
			Spatial Streams	4T4R		
Antennas	Six(6) External high gain antennas	5GHz	Channelization	20/40/80MHz		
			Client Capacity	256		
Operating Environment	0~40°C, 10% ~ 90% non-condensing	5GHz	Peak PHY Rates	2402Mbps		
			Channels	Ch36~64, 100-144, 149~165		
Storage Environment	-40~70°C, 5% ~ 95% non-condensing	5GHz	Spatial Streams	2T3R		
Physical Size	230*148*28MM		Channelization	20/40/80MHz		
Weight	1070g		Client Capacity	256		
Power Supply	12V/1.5A					

C5800-668GL Datasheet A0



Software		Cellular		
Network	• DHCP • Network detection • Network diagnosis • VPN Client(L2TP/PPTP) • LAN • NAT • Port mapping • TTL • IPv6 • Access Control	Module	Model	RM520-GL
			Area	Global
			Chipset	Qualcomm Snapdragon SDX62
Cellular	• SIM Switch • Delay threshold • Mode Lock • PCI Lock • Band Lock • Data Roaming • APN	5G NR	5G NR	3GPP Release 16 NSA/SA operation, Sub-6 GHz
			Sub-6 NSA Band	n1/2/3/5/7/8/12/13/14/18/20/25/26/28/39/30/38/40/41/48/66/70/71/75/76/77/78/79
			Sub-6 SA Band	n1/2/3/5/7/8/12/13/14/18/20/25/26/28/39/30/38/40/41/48/66/70/71/75/76/77/78/79
			Max. Sub-6 BW	120MHz
			Sub-6 CA	FDD+FDD,TDD+TDD,FDD+TDD DL2CA/UL 2CA
System	• Account Control • Reset • Timed restart • Backup/Recovery • Upgrade Firm ware • LED Control • Remote Cloud Control • Remote Web Control • Remote SSH Control • Custom DNS • System	LTE	DL 4x4 MIMO	n1/2/3/5/7/25/30/38/40/48/66/70/77/78/79
			UL 2x2 MIMO	n38/41/48/77/78/79
			LTE Category	DL Cat19 / UL Cat18
			LTE-FDD Band	B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71
			LTE-TDD Band	B34/38/39/40/41/42/43/48
		UMTS	LTE LAA Band	B46
			DL 4x4 MIMO	B1/2/3/4/7/25/30/38/40/41/42/43/48/66
			WCDMA Band	B1/2/4/5/8/19
			5G SA Sub-6 Max.	DL 2.4 Gbps; UL 900 Mbps
			5G NSA Sub-6 Max.	DL 3.4 Gbps; UL 550 Mbps
		Max. PHY Rates	LTE Max.	DL 1.6 Gbps; UL 200 Mbps
			WCDMA Max.	DL 42 Mbps; UL 5.76 Mbps

MF932-M27



Feature	Specification
CPU Chipset	MTK6735
Frequency Band	LTE FDD: B1, B3, (B5, B7, B8, B20 Optional) LTE TDD: B38, B39, B40, B41 WCDMA: B1, (B5, B8 optional) EVDO: BC0 TD-SCDMA: B34, B39, B40 GSM: NA
Memory	4GB EMMC + 512MB DDR2
Peak Rate	Download: 150Mbps, Upload: 50Mbps
Wi-Fi Sharing	Max 10 Users
Languages	Chinese & English (Multi Languages supported)
Wi-Fi	IEEE 802.11b/g/n
Display	LED
Battery	8000mAh
Standby Time	About 80 hours (depends on the environment)
System	Android 6.0
Wi-Fi Chipset	MT6625
Port	TYPE-C: 1A Charge IN SIM: Nano SIM × 1 USB 2.0 OUTPUT KEY: 1 Power key (press 3s to turn on) 1 Reset key (press 5s to reset)
Size	135 × 55 × 28 mm
Weight	255g (including battery)

MF910-M28



Feature	Specification
CPU Chipset	ASR 1803SC
Frequency Band	LTE FDD B1, B3, (B5, B7, B8, B20 Optional) LTE TDD B38, B40, B41 WCDMA: B1, (B5, B8 optional) GSM: NA
Peak Rate	Download: 150Mbps, Upload: 50Mbps
Wi-Fi Sharing	Max 10 Users
Languages	Chinese & English (Multi Languages supported)
Wi-Fi	WiFi6 300Mbps
Antenna	Internal
Battery	2000mAh
Standby Time	About 48 hours (depends on the environment)
Display	LED
Wi-Fi Chipset	AIC8800DW
Port	TYPE-C: 2A Charge IN SIM: 1 MICRO SIM KEY: 1 Power key (press 3s to turn on) 1 Reset key (press 5s to reset)
Size	110 × 55 × 14 mm
Weight	60g

MF931-M25



Feature	Specification
CPU Chipset	MTK6735
Frequency Band	LTE FDD B1, B3, (B5, B7, B8, B20 Optional) LTE TDD B38, B39, B40, B41 WCDMA: B1, (B5, B8 optional) EVDO: BC0 TD-SCDMA: B34, B39, B40 GSM: NA
Memory	4GB EMMC + 512MB DDR2
Peak Rate	Download: 150Mbps, Upload: 50Mbps
Wi-Fi Sharing	Max 10 Users
Languages	Chinese & English (Multi Languages supported)
Wi-Fi	IEEE 802.11b/g/n
Display	LED
Battery	5200mAh
Standby Time	About 40 hours (depends on the environment)
System	Android 6.0
Wi-Fi Chipset	MT6625
Port	TYPE-C: 1A Charge IN SIM: Nano SIM × 1 USB 2.0 OUTPUT KEY: 1 Power key (press 3s to turn on) 1 Reset key (press 5s to reset)
Size	85 × 55 × 28 mm
Weight	148g (including battery)

T300A T-CPE1252S_RG200U-CN



Hardware specifications		Wi Fi wireless specifications	
Master chip	SF19A2890 high performance enterprise chip QUECTEL 5G RG200U-CN high performance 5G module	frequency range	2.4G : 2.4~2.4835GHz 5G: UNII-1: 5.15~5.35GHz UNII-2: 5.47~5.725GHz UNII-3: 5.725~5.825GHz
basic frequency	MIPS architecture dual-core 4-thread 1GHz	Channel distribution	2.4G: 1、2、3、4、5、6、7、8、9、10、11、12、13 5G: 36、40、44、48、52、60、64、149、153、157、161、165
internal storage	128MB		
Flash Memory	16MB		
Wireless Technology	2.4G:300Mbps 802.11b/g/n MIMO technology; 5.8G:866.7Mbps 802.11a/n/ac MIMO technology	Modulation mode	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11a/g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM) 802.11ac: OFDM (BPSK, QPSK,64-QAM, 256-QAM)
device interface	WAN/ LAN 10/100/1000Mbps Adaptive network interface*1 LAN 10/100/1000Mbps adaptive network interface*3 Type C interface*1 Nano SIM card (4FF card)	propagation velocity	11b is up to 11Mbps, 11g is up to 54Mbps, 11n is up to 300Mbps, and 11ac is up to 864.7Mbps
push-button	1 WPS/RST composite button, short press for 1 second to open the WPS connection, long press for more than 5 seconds to restore factory Settings	receiving sensitivity	2.4G: 11b : <-82± 1.5dBm @1Mbps, < -76± 1.5dBm dBm@11Mbps 11g : <-82± 1.5dBm@6Mbps, < -65± 1.5dBm @54Mbps 11n 20MHz : <-82± 1.5dBm@MCS0, < -64± 1.5dBm @MCS7 11n 40MHz : <-79± 1.5dBm @MCS0, < -61± 1.5dBm @MCS7 5G: 11a : <-82± 1.5dBm @6Mbps, < -65± 1.5dBm @54Mbps 11n 20MHz : <-82± 1.5dBm@MCS0, < -64± 1.5dBm @MCS7 11n 40MHz : <-79± 1.5dBm @MCS0, < -61± 1.5dBm @MCS7 11ac 20MHz : <-82± 1.5dBm @MCS0, < -57± 1.5dBm @MCS8 11ac 40MHz : <-79± 1.5dBm @MCS0, < -54± 1.5dBm @MCS9 11ac 80MHz : <-76± 1.5dBm @MCS0, < -51± 1.5dBm @MCS9
pilot lamp	PWR, Wi Fi, 4G,5G, network port		
Antenna	External dual-band Wi Fi 2.4G/5G 5dBi rubber rod antenna*2 External 3G/4G/5G 5dBi rubber rod antenna*4		
source	DC 12V/2A		
Working/storage temperature	-10℃ ~ 45℃/-20℃ ~ 70℃		
Work/storage humidity	5% to 95% (non-condensable)		
size	230X147.5X29.5mm (without antenna)	transmitting power	11b: 20dBm±1.5dBm@11Mbps 11g: 20dBm±1.5dBm@54Mbps 11n(20/40MHz): 17dBm±1.5dBm@MCS7 11ac(40/80MHz): 17dBm±1.5dBm@MCS9
Weight	N/A		

T300A T-CPE1252S_RG200U-CN



software function	
Work pattern	Routing mode
Machine capacity	64 people
Management style	Chinese WEB remote management/cloud platform remote management and online upgrade
state	Overview information: Internet, router, wireless, main network users, guest network users; Cellular information: TAC/PLMN/EARFCN_NBR/PCI_NBR/ SINR_NBR/Work Mode/LTE_Power/LTE_CQI/Bandwith
network	WAN: Enable wired WAN, network mode (routing mode), networking mode (dynamic IP, static IP, broadband dialing), DNS Settings (automatic acquisition, manual input) Mobile connection: mobile data switch, data roaming switch, network operator selection, network mode selection LAN: LAN Settings (internal address, subnet mask, DHCP server switch, start address pool, end address pool), guest network address pool Static IP allocation: The list shows the static IP address of the current device, and adds/removes records
wireless	Wireless Settings: dual-band switch, 2.4G (switch, SSID name, encryption mode, SSID password, hidden SSID switch), 5G (switch, SSID name, encryption mode, SSID password, hidden SSID switch) Radio frequency Settings: 2.4G (wireless protocol, channel bandwidth, working channel, power), 5G (wireless protocol, channel bandwidth, working channel, power) Black and white list: Based on t he SSID black and white list WPS: Band selection (2.4GHz, 5GHz), WPS switch
Advanced setup	Visitor network: LAN isolation switch, visitor network duration, 2.4G (switch, SSID name, encryption mode, SSID password), 5G (switch, SSID name, encryption mode, SSID password) Port mapping: The list shows the port mapping information of the current device; APN Settings: APN list, add/ delete/modify APN Lock the community: switch, manual add, automatic search Lock frequency band: switch, 4G frequency band selection, 5G frequency band selection PIN management: PIN switch, PIN code SIM card management: single card mode, multi-card mode, SIM card list IPv6: function switch, WAN (networking mode, DNS address), LAN (specified type) Network diagnosis: ping, Tracert
System management	System time: Current time, immediate synchronization switch, time zone selection, automatic network time synchronization switch, NTP server input Change the password: WEB login password change Backup/Restore: Backup and import (backup configuration information, import configuration information), restore factory Settings System upgrade: Local upgrade System restart: immediate restart, scheduled restart System log: refresh, clear, export IP detection: IPv4 tracking address modification, IPv6 tracking address modification
Set up The	Time zone-5G-Wi Fi-overview

T300A T-CPE1252S_RG200U-CN



5G module specifications	
Band information	5G NR : 3GPP Release 15/Release 16 NSA/SA operation , Sub-6 GHz 5G NR NSA : n41/78/79 5G NR SA : n1/28/41/77/78/79 LTE-FDD : B1/ 3/ 5/ 8 LTE-TDD : B34/ 38/ 39/ 40/ 41 UMTS WCDMA : B1/5/8 5G NR downlink 4X4 MI MO: n1/41/77/78/79 5G NR downlink 2X2 MI MO: n28 LTE downlink 2X2 MI MO: B1/ /3/ 5/8/34/ 38/ 39/ 40/ 41
rate of data signalling (crest value)	5G SA Sub-6: Downlink 2 Gbps; Uplink 1 Gbps 5G NSA Sub-6: Downlink 2.2 Gbps; Uplink 575 Mbps LTE: 600 Mbps downlink; 150 Mbps uplink UMTS: Downlink 42.2 Mbps; Uplink 11 Mbps

T300 5G-CPE1801K_RM500U



Hardware specifications	
Master chip	MTK7621A+MT7905DAN+MT7975DN High performance enterprise class chip QUECTEL 5G RM500U-CN high performance 5G module
basic frequency	Dual-core 880MHz
Internal storage	256MB
Flash Memory	NAND 128MB
Wireless technology	2.4G Wi Fi 2*2802.11b/g/n/ax (theoretical maximum speed up to 573Mbps) 5.8G Wi Fi 2*2802.11a/n/ac/ax (theoretical maximum speed up to 1201Mbps) 1024QAM ultra-high speed access rate, OFDMA ultra-high density user access MU-MI MO/MU-OFDMA uplink/downlink BSS color space multiplexing Time division code (STBC), low density parity check (LDPC), uplink and downlink beamforming (Beamformer TX/RX) Energy saving: single antenna standby technology, dynamic MI MO power saving technology, enhanced automatic power saving transmission technology, packet power control technology, etc
Device interface	WAN 10/100/1000Mbps adaptive network interface*1 LAN 10/100/1000Mbps adaptive network interface*2 USB2.0 port *1 Nano SIM card (4FF card)
pushbutton	1 POWER button. Short press to start the power on after power on, and press for more than 2 seconds to shut down 1 RESET button. Press it for 3 seconds to restart, and press it for more than 3 seconds to restore factory Settings One WPS button for easy interconnection without password
pilot lamp	PWR, Wi Fi, 5G,4G, network port indicator
Antenna	External detachable Wi Fi 2.4G 5dBi rubber rod antenna*2 External detachable Wi Fi 5G 5dBi rubber rod antenna*2 External detachable 3G/4G/5G 5dBi rubber rod antenna *4
source	DC 12V/2A
Working/storage Temperature	-10℃ ~ 45℃/-20℃ ~ 70℃
Work/storage humidity	5% to 95% (non-condensable)
Size	292X152X36.5mm
Weight	Including antenna, it is about 1.1KG

T300 5G-CPE1801K_RM500U



Wi Fi wireless specifications			
frequency range	2.4G : 2.4~2.4835GHz 5G: UNII-1: 5.15~5.35GHz UNII-2: 5.47~5.725GHz UNII-3: 5.725~5.825GHz	receiving sensitivity	2.4G: 11b : $< -119 \pm 1.5\text{dBm}$ @1Mbps, $< -90 \pm 1.5\text{dBm}$ @11Mbps 11g : $< -96 \pm 1.5\text{dBm}$ @6Mbps, $< -78 \pm 1.5\text{dBm}$ @54Mbps 11n 20MHz : $< -96 \pm 1.5\text{dBm}$ @MCS0, $< -76 \pm 1.5\text{dBm}$ @MCS7 11n 40MHz : $< -92 \pm 1.5\text{dBm}$ @MCS0, $< -74 \pm 1.5\text{dBm}$ @MCS7 11ax 20MHz: $< -96 \pm 1.5\text{dBm}$ @MCS0, $< -66 \pm 1.5\text{dBm}$ @MCS11 11ax 40MHz: $< -94 \pm 1.5\text{dBm}$ @MCS0, $< -63 \pm 1.5\text{dBm}$ @MCS11 5G: 11a : $< -94 \pm 1.5\text{dBm}$ @6Mbps, $< -78 \pm 1.5\text{dBm}$ @54Mbps 11n 20MHz : $< -94 \pm 1.5\text{dBm}$ @MCS0, $< -74 \pm 1.5\text{dBm}$ @MCS7 11n 40MHz : $< -90 \pm 1.5\text{dBm}$ @MCS0, $< -72 \pm 1.5\text{dBm}$ @MCS7 11ac 20MHz : $< -94 \pm 1.5\text{dBm}$ @MCS0, $< -72 \pm 1.5\text{dBm}$ @MCS8 11ac 40MHz : $< -90 \pm 1.5\text{dBm}$ @MCS0, $< -66 \pm 1.5\text{dBm}$ @MCS9 11ac 80MHz : $< -88 \pm 1.5\text{dBm}$ @MCS0, $< -62 \pm 1.5\text{dBm}$ @MCS9 11ax 20MHz : $< -94 \pm 1.5\text{dBm}$ @MCS0, $< -64 \pm 1.5\text{dBm}$ @MCS11 11ax 40MHz : $< -92 \pm 1.5\text{dBm}$ @MCS0, $< -60 \pm 1.5\text{dBm}$ @MCS11 11ax 80MHz : $< -88 \pm 1.5\text{dBm}$ @MCS0, $< -58 \pm 1.5\text{dBm}$ @MCS11
Channel distribution	2.4G: 1、2、3、4、5、6、7、8、9、10、11、12、13 5G: 36、40、44、48、52、60、64、149、153、157、161、165		transmitting power
Modulation mode	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11a/g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM) 802.11ac: OFDM (BPSK, QPSK,64-QAM, 256-QAM) 802.11ax: OFDMA (BPSK,256-QAM, 1024-QAM)		
propagation velocity	11 b i s up to 11Mbps, 11g i s up to 54Mbps, 11 n i s up to 300Mbps, 11ac i s up to 864.7Mbps, 11ax 2.4G i s up to 573Mbps, and 11ax 5G is up to 1201Mbps		
transmitting power	11b: $20\text{dBm} \pm 1.5\text{dBm}$ @11Mbps 11g: $20\text{dBm} \pm 1.5\text{dBm}$ @54Mbps 11n(20/40MHz): $20\text{dBm} \pm 1.5\text{dBm}$ @MCS7 11ac(40/80MHz): $20\text{dBm} \pm 1.5\text{dBm}$ @MCS9 11ax(20/40/80M) : $20\text{dBm} \pm 1.5\text{dBm}$ @MCS11		

T300 5G-CPE1801K_RM500U



5G module specifications		software function	
Band information	5G NR : 3GPP Release 15/Release 16 NSA/SA operation, Sub-6 GHz 5G NR NSA : n41/78/79 5G NR SA : n1/28/41/77/78/79 5G downlink 4X4 MI MO: n1/41/77/78/79 LTE Category: Cat12 for downlink and Cat13 for uplink LTE-FDD : B1/ 2/ 3/ 5/ 7/ 8/ 20/ 28 LTE-TDD : B34/ 38/ 39/ 40/ 41 LTE downlink 2X2 MI MO: B 1/ 2/ 3/ 5/ 7/ 8/ 20/ 28/ 34/ 38/ 39/ 40/ 41 UMTS WCDMA : B1/2/5/8	Work pattern	Routing mode, bridge mode
		Machine Capacity	128
		Management Style	Chinese WEB remote management/SNMP/support TR069 remote management and online upgrade
		State	Internet status, router, Wi Fi, main network user, guest network user, LTE carrier aggregation
		network	Ethernet: mode selection (routing mode, bridge mode), networking mode (broadband dialing, dynamic IP, static IP), DNS (automatic acquisition, manual input), network status: connection type, Internet status Mobile connection: SIM (ESIM and external plug-and-play card) switch, mobile connection switch, data roaming, dialing mode (Tether dialing, NDIS dialing), network operator selection, PCI lock, network mode selection (automatic, 5G+SA, 5G+NSA, 4G,3G), traffic Settings, band lock LAN: LAN Settings, DHCP address pool, guest network address pool
		wireless	Wi Fi (dual-band integration, Wi Fi switch, SSID, encryption mode, Wi Fi password, wireless protocol, channel bandwidth, wireless channel, signal strength Black and white lists, WPS, Mesh
		Advanced network Settings	APN, IPV6, guest network, parental control, VPN client, UPnP, DDNS, network tools, hardware forwarding, SNMP
rate of data signalling (crest value)	5G SA Sub-6: Downlink 2 Gbps; Uplink 1 Gbps 5G NSA Sub-6: Downlink 2.2 Gbps; Uplink 575 Mbps LTE: 600 Mbps downlink; 150 Mbps uplink UMTS: Downlink 42.2 Mbps; Uplink 11 Mbps	chit	Inbox, outbox, draft box
		firewall	ALG, port mapping, DMZ setting, MAC filtering, IP filtering, NAT setting, DDos, URL filtering
		manage	SNTP, PIN management, device information, traffic statistics, TR069, password modification, backup/upgrade, restart/reset, remote access, audit log, IP probe
		Set up the wizard	Time zone-5G Wi Fi-summary

OA110(QC300K)



hardware configuration		Wi Fi characteristic	
Main chip	MTK7628KN 300M high performance enterprise chip	Radio frequency parameters	802.11b/g/n:2.4~2.4835GHz
basic frequency	580MHz		
Wireless technology	802.11b/g/n 300M M IMO technology	Modulation mode	11b : DSS:CCK@5.5/11Mbps,DQPSK@2Mbps,DBPSK@1Mbps 11g : OFDM:64QAM@48/54Mbps,16QAM@24Mbps,QPSK@12/18Mbps,BPSK@6/9Mbps 11n : MIMO-OFDM:BPSK,QPSK,16QAM,64QAM
Flash Memory	2MB		
internal storage	8MB		
device interface	WAN 10/100Mbps adaptive network interface*1 10/100Mbps adaptive network interface*2 big card	LAN SIM card,	transmission speed
antenna	4G 2T2R 5dBi antenna*2 Wi Fi 2T2R 2.4G 5dBi antenna*2		11b: 1/2/5.5/11Mbps 11g: 6/9/12/18/24/36/48/54Mbps 11n: Up to 300Mbps
power dissipation	< 10W		receiving sensitivity
key	1 RESET button. Press it for 3 second s to restore factory Settings		11b: <-84dbm@11Mbps ; 11g: <-69dbm@ 54Mbps ; 11n: HT20<-67dbm HT40: <-64dbm
pilot lamp	5 groups: POWER, LAN, WI FI, WAN/LAN, 3G-4G		transmitting power
Size/weight	N/A, N/A		11b: 18dBm@ 1~11Mbps 11g: 16dBm @ 6~54Mbps 11n: 15dBm@ MCS0~7
Working/storage temperature	-10℃ ~ 50℃/-40℃ ~ 70℃		Communication standards
Work/storage humidity	5% to 95% (non-condensable)		IEEE 802.3(Ethernet) IEEE 802.3u(Fast Ethernet) IEEE 802.11b/g/n(2.4G WLAN)
		Wireless security	WPA/WPA2 security mechanism (WPA-PSK uses TKIP or AES)

OA110(QC300K)



4G features		Software characteristics	
Network protocols	LTE FDD/TDD、UMTS DC-HSDPA/ HSUPAWCDMA、GSM EDGE/GPRS	work pattern	4G access, routing mode, AP mode
LTE-FDD (supports hierarchical reception)	B1/B3/B5/B8	Machine capacity	Thirty people
LTE-TDD (supports tiered reception)	B34/B38/B39/B40/B41	management style	Chinese WEB remote management
WCDMA	B1/B5/B8	state	System status, 4G status, interface status, user list, blacklist
GSM	900/1800MHz	Line configuration	work pattern LAN port /WAN address setting APN set up
data	LTE: LTE FDD: maximum 150Mbps (DL)/maximum 50Mbps (UL) LTE TDD: up to 130Mbps (DL)/up to 30Mbps (UL) UMTS : DC-HSDPA: Maximum 21Mbps (DL) HSUPA: Maximum 5.76Mbps (UL) WCDMA: maximum 384Kbps (DL)/maximum 384Kbps (UL) GSM : EDGE: Maximum 296Kbps (DL)/Maximum 236Kbps (UL) GPRS: maximum 107Kbps (DL)/ maximum 85.6Kbps (UL)	Wi Fi set up	Wi Fi basic parameter configuration
		Traffic Assistant	Traffic statistics / package Settings / traffic control
		system	Manage password/system time/ upgrade/ reset/ system log/network detection/ restart (immediate restartScheduled restart)
		Set up the wizard	Quick configuration wizard
transmitting power	Class 3 (23dBm±2dB) for LTE FDD bands Class 3 (23dBm±2dB) for LTE TDD bands Class 3 (24dBm+1/-3dB) for WCDMA bands Class E2 (27dBm±3dB) for EGSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800	Indicators flash rules	
		POWER	Connect to the power supply, and the POWER light stays blue
sensitivity	FDD B 1 : -99dB m (10M) FDD B 3 : -99dB m (10M) FDD B1: -99dBm (10M) FDD B3: -99dBm (10M) FDD B 5 : -100dB m (10M) FDD B 8 : -100dB m (10M) FDD B5: -100dBm (10M) FDD B8: -100dBm (10M) TDD B34: -98dBm (10M) TDD B38: -100dBm (10M) TDD B34: -98dBm (10M) TDD B38: -100dBm (10M) TDD B 39: -98dB m (10M) TDD B40: -99dB m (10M) TDD B39: -98dBm (10M) TDD B40: -99dBm (10M) TDD B41: -99dB m (10M) WCD MA B 1 : -110dB m TDD B41: -99dBm (10M) WCDMA B1: -110dBm WCDMA B 5 : -110d Bm WCDMA B 8 : -110dB m WCDMA B5: -110dBm WCDMA B8: -110dBm EG SM9 0 0 : - 10 8 dB m D CS 18 0 0 : - 10 8 dB m EGSM900: -108dBm DCS1800: -108dBm	2.4G	2.4G W i F i is turned on, and the 2.4G indicator light is always blue
		4G	Under 4G network mode, when the 4G network is normal, the blue 4G light is always on; under 4G mode, the blue indicator light flashes when the 4G network is abnormal
		WAN	When data is being accessed, the WAN indicator light stays blue
		LAN1/LAN2	When data is connected, the LAN1 and LAN2 indicators are always blue

WR100



Hardware specifications		Wi Fi wireless specifications	
Master chip	MT7628NN T r a n s f e r h i g h p e r f o r m a n c e 4 G m o d u l e EC200ACN	Frequency range	802.11b/g/n: 2.4~2.484GHz
Basic frequency	575MHz	Channel distribution	1、 2、 3、 4、 5、 6、 7、 8、 9、 10、 11、 12、 13
Internal storage	64MB	Modulation mode	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM)
Flash Memory	16MB		
Wireless technology	802.11b/g/n 300Mbps M I M O technology		
Device interface	WAN*1/LAN*1 10/100Mbps adaptive Standard S I M card (Mini-SIM) RS232/485 serial port DC power interface, suitable for the power plug with outer diameter of 5.5mm, inner diameter of 2.1mm and length of 9.5mm or more earth wire	propagation velocity	11b i s up to 11Mbps, 11g i s up to 54Mbps, and 11n i s up to 300Mbps
push-button	Reset the button to restore factory Settings. Press and hold for 5 second s to restore factory Settings	Receiving Sensitivity	11b : ≤-90± 1.5dBm @1Mbps, ≤-84± 1.5dBm @11Mbps 11g : ≤-86± 1.5dBm @6Mbps, ≤-69± 1.5dBm @54Mbps 11n 20MHz : ≤-85± 1.5dBm @MCS0, ≤-67± 1.5dBm @MCS7 11n 40MHz : ≤-82± 1.5dBm @MCS0, ≤-64± 1.5dBm @MCS7
pilot lamp	4G, SYS, network port		
antenna	External detachable 2.4 G 5d Bi rubber rod antenna*1 External detachable 4G LTE 5dBi rubber rod antenna*1		
source	DC 9-30V	Transmitting power	11b: ≥20± 1.5dBm@11Mbps 11g: ≥20dBm±1.5dBm@54Mbps 11n: ≥20dBm±1.5dBm@MCS7
Working/storage temperature	-40℃ ~ 70℃/-40℃ ~ 70℃		
Work/storage humidity	5% to 95% (non-condensable)		
size	95*70*25mm		
weight	N/A		

WR100



software function		4G specification	
work pattern	4G mode, routing mode	Network protocols	LTE FDD/TDD
Machine capacity	Sixteen		
management style	Chinese WEB remote management, cloud platform management	LTE-FDD	B1/B3/B5/B8, supports hierarchical reception
System mode	Internet status, LAN status & wireless status & CPU & memory utilization, connected users	LTE-TDD	B 34/B 38/B 39/B40/B41, support hierarchical reception
Network Settings	Internet: system mode (4G, routing mode), SIM (plug and card, Esim), 4G network switch, network mode LAN: IP address/subnet mask setting, DHCP address pool APN: Four sets of APN Settings are built in Band locking: Provides band locking with 4G module support PIN code management: Support to enter PIN code to unlock the card	data	LTE FDD: maximum 150Mbps (DL)/maximum 50Mbps (UL) LTE TDD: up to 130Mbps (DL)/up to 30Mbps (UL)
Wireless Management	Basic Settings: Wireless switch, wireless name, wireless encryption, wireless password, 2.4G guest network Advanced Settings: Wireless mode, wireless bandwidth, wireless channel, transmission power, 2.4G concealment	Transmitting power	Class 3 (23dBm±2dB) LTE FDD band Class 3 (23dBm±2dB) LTE TDD band
Traffic Assistant	Used, remaining, used this month, used today, status until the closing date of the month Monthly package quantity, package settlement date, and flow control switch setting	sensitivity	FDD B1: -99dBm (10M) FDD B3: -99dBm (10M) FDD B 5 : -100dB m (10M) FDD B8 : -100dB m (10M) TDD B 34: -98dBm (10M) TDD B38 : -100dB m (10M) TDD B 39: -98dB m (10M) TDD B40 : -99dB m (10M) TDD B41: -99dBm (10M)
Advanced applications	Parent control, blacklist, routing table, virtual server, VPN client (support PPTP, L2TP)		
Platform Setup	Internet of Things platform Settings, 485/232 transparent transmission Settings, Ali Cloud 485- mqtt transparent transmission Settings		
System Maintenance	Configuration management: software version, firmware upgrade, restart, scheduled restart, configuration backup, configuration restore, and factory reset System time: NTP client, NTP server, time zone Settings Manage passwords		
Quick setup	Internet Settings-Wireless Wi Fi-Password management		

T-G4302K



Hardware specifications		Wi Fi wireless specifications	
Master chip	MT7628KN	frequency Range	802.11b/g/n:2.4~2.4835GHz
basic frequency	575MHz		
internal storage	8MB	Channel distribution	1、 2、 3、 4、 5、 6、 7、 8、 9、 10、 11、 12、 13
Flash Memory	2MB		
Wireless technology	802.11b/g/n 300Mbps MI MO technology	Modulation mode	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM)
device interface	WAN/ LAN conversion *1 10/100Mbps adaptive network port LAN*3 10/100Mbps adaptive network port Micro-SIM card DC power interface, suitable for the power plug with outer diameter 5.5mm, inner diameter 2.1mm and length above 9.5mm		
		propagation velocity	11b i s up to 11Mbps, 11g i s up to 54Mbps, and 11n i s up to 300Mbps
push-button	Reset the button to restore factory Settings. Press and hold for 5 seconds to restore factory Settings WPS button, easy to connect without password	receiving Sensitivity	11b : ≤-90± 1.5dBm @1Mbps, ≤-84± 1.5dBm @11Mbps 11g : ≤-86± 1.5dBm @6Mbps, ≤-69± 1.5dBm @54Mbps 11n 20MHz : ≤-85± 1.5dBm @MCS0, ≤-67± 1.5dBm @MCS7 11n 40MHz : ≤-82± 1.5dBm @MCS0, ≤-64± 1.5dBm @MCS7
pilot lamp	POWER、WAN、 LAN1、 LAN2、 LAN3、 2.4G、 4G、 WPS		
antenna	External 2.4G 5dBi rubber rod antenna *2 LTE 5dBi rubber rod antenna*2		
source	DC 12V/1A, positive outside, negative inside		
Working/storage temperature	-10℃ ~ 45℃/-20℃ ~ 70℃	transmitting power	11b: ≥20± 1.5dBm@11Mbps 11g: ≥20dBm±1.5dBm@54Mbps 11n: ≥20dBm±1.5dBm@MCS7
Work/storage humidity	5% to 95% (non-condensable)		
size	28.5*28*5.2cm		
Weight	0.6kg		

T-G4302K



software function		4G specification	
work pattern	4G mode, routing mode, AP mode	Network protocols	LTE FDD/TDD
Machine capacity	Sixteen		
management style	Chinese WEB remote management/batch management based on TR069 centralized management platform	LTE-FDD	B1/B3/B5/B8, supports hierarchical reception
State	-System status, 4G status and interface status -User list - blacklist	LTE-TDD	B34/B38/B39/B40/B41, supports hierarchical reception
line configuration	-Network configuration: working mode (4G mode, routing mode, AP mode), LAN, WAN -APN set up	Data	LTE FDD: maximum 150Mbps (DL)/maximum 50Mbps (UL) LTE TDD: up to 130Mbps (DL)/up to 30Mbps (UL)
Wi Fi set up	Wi Fi switch, Wi Fi name, encryption mode, Wi Fi password, hidden Wi Fi, wireless protocol, wireless bandwidth, wireless channel, Wi Fi signal strength, WPS switch, WPS PIN code connection, PIN code		
Traffic Assistant	Used, remaining, used this month, used today, status until the closing date of the month Monthly package quantity , package settlement date, and flow control switch setting	transmitting Power	Class 3 (23dBm±2dB) LTE FDD band Class 3 (23dBm±2dB) LTE TDD band
system Management	-Manage passwords -System time - Upgrade/reset: Restore factory configuration, download backup configuration, upload restore configuration, local upgrade - system log -Network detection -Restart: immediate restart, scheduled restart	Sensitivity	FDD B1: -99dBm (10M) FDD B3: -99dBm (10M) FDD B 5: -100dBm (10M) FDD B8: -100dBm (10M) TDD B34: -98dBm (10M) TDD B38: -100dBm (10M) TDD B39: -98dBm (10M) TDD B40: -99dBm (10M) TDD B41: -99dBm (10M)
Quick setup	System mode-wireless configuration		

WR170N



Hardware specifications		Wi Fi wireless specifications	
Master chip	MT7628NN	frequency range	802.11b/g/n:2.4~2.4835GHz
basic frequency	575MHz		
internal storage	64MB	Channel distribution	1、 2、 3、 4、 5、 6、 7、 8、 9、 10、 11、 12、 13
Flash Memory	8MB		
Wireless Technology	802.11b/g/n 300Mbps MI MO technology	Modulation mode	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM)
device interface	WAN*1/LAN*2 10/100Mbps adaptive Standard S IM card (Mini-SIM) DC power interface, suitable for the power plug with outer diameter 5.5mm, inner diameter 2.1 mm and length above 9.5mm		
push-button	Reset the button to restore factory Settings. Press and hold for 5 seconds to restore factory Settings	propagation velocity	11b i s up to 11Mbps, 11g i s up to 54Mbps, and 11n is up to 300Mbps
pilot lamp	Power supply, Wi Fi, 4G, WAN, LAN1, LAN2	Receiving sensitivity	11b : ≤-90± 1.5dBm @1Mbps, ≤-84± 1.5dBm @11Mbps 11g : ≤-86± 1.5dBm @6Mbps, ≤-69± 1.5dBm @54Mbps 11n 20MHz : ≤-85± 1.5dBm @MCS0, ≤-67± 1.5dBm @MCS7 11n 40MHz : ≤-82± 1.5dBm @MCS0, ≤-64± 1.5dBm @MCS7
Antenna	External 2.4G 5dBi rubber rod antenna *4 External 4G LTE 5dBi rubber rod antenna*2		
Source	DC 12V/1A, positive outside, negative inside		
Working/storage Temperature	-10℃ ~ 45℃/-20℃ ~ 70℃	Transmitting power	11b: ≥20± 1.5dBm@11Mbps 11g: ≥20dBm±1.5dBm@54Mbps 11n: ≥20dBm±1.5dBm@MCS7
Work/storage humidity	5% to 95% (non-condensable)		
Size	14.3*9.5*2.7cm		
Weight	0.35kg		

WR170N



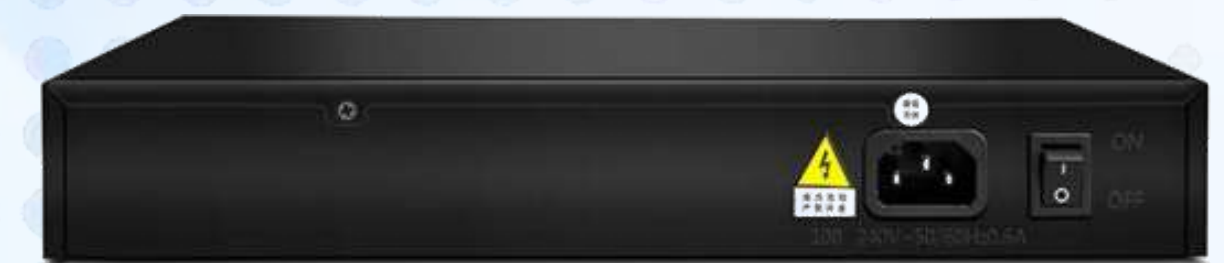
software function		4G specification	
work pattern	4G mode, routing mode	Network Protocols	LTE FDD/TDD
Machine Capacity	Sixteen		
Management Style	Chinese WEB remote management/ support TR069 Remote management and online upgrade	LTE-FDD	B1/B3/B5/B8, supports hierarchical reception
system mode	Internet status, LAN status & wireless status & CPU & memory utilization, connected users	LTE-TDD	B34/B38/B39/B40/B41, support hierarchical reception
network Settings	Internet: System mode (automatic, 4G, routing mode) LAN: IP address/subnet mask setting, DHCP address pool APN: Four sets of APN Settings are built in	Data	LTE FDD: maximum 150Mbps (DL)/maximum 50Mbps (UL) LTE TDD: up to 130Mbps (DL)/up to 30Mbps (UL)
Wireless Management	Basic Settings: Wireless switch, wireless name, hide, security Settings, encryption algorithm, wireless password, 2.4G guest network Advanced Settings: Wireless mode, wireless bandwidth, wireless channel, transmission power		
Traffic Assistant	Used, remaining, used this month, used today, status until the closing date of the month Monthly package quantity, package settlement date, and flow control switch setting	transmitting Power	Class 3 (23dBm±2dB) LTE FDD band Class 3 (23dBm±2dB) LTE TDD band
Advanced applications	Parent control, blacklist, routing table, virtual server, VPN client (support PPTP, L2TP)	Sensitivity	FDD B1: -99dBm (10M) FDD B3: -99dBm (10M) FDD B5: -100dBm (10M) FDD B8: -100dBm (10M) TDD B 34: -98dB m (10M) TDD B 38: -100dB m (10M) TDD B39: -98dBm (10M) TDD B40: -99dBm (10M) TDD B41: -99dBm (10M)
system Maintenance	Configuration management: software version, firmware upgrade, restart, scheduled restart, configuration backup, configuration restore, and factory reset Tr069: ACS server source, ACS server URL, ACS server user name, ACS server password, periodic report, periodic report interval, CPE connection user name, CPE connection password Settings System log: Refresh to obtain system log System time: NTP client, NTP server, time zone Settings		
Quick setup	Internet Settings-Wireless Wi Fi-Password management		

WA100N



Item	Details
Chip	MTK7621 dual-core 880MHz
Memory	256MB
Flash	16MB
Concurrent users	100
Number of managed APs	32
Ethernet ports	5 x 10/100/1000M auto-negotiation Ethernet ports
NAT processing speed	up to 300Mbps
Connection number	49,152

WA200N



Item	Details
Chip	MTK7621 dual-core 880MHz
Memory	256MB
Flash	16MB
Concurrent Users	200
Number of Managed APs	64
Ethernet ports	5 x 10/100/1000M auto-negotiation Ethernet ports
NAT processing speed	up to 300Mbps
connection limit	49,152



WA300N



Item	Details
Chip	MTK7621 dual-core 880MHz
Memory	256MB
Flash	16MB
Concurrent Users	300
Number of Managed Aps	64
Ethernet ports	5 x 10/100/1000M auto-negotiation Ethernet Ports
NAT processing speed	up to 300Mbps
connection limit	49,152

WA500N



Item	Details
CPU	Intel Celeron Dual-Core Dual-Thread 1037U 1.8GHz
Memory	2GB DDR3 800MHz (Max 4GB Support)
Storage	16GB Solid State SSD
Console Port	1 Console Port
USB Interfaces	2 x USB 2.0 Interfaces
Concurrent Users	500
Managed Aps	128
Ethernet Ports	6 x 10/100/1000M Auto-Negotiating Ethernet Ports
Power Consumption	50W
NAT Throughput	Up to 600Mbps
Connection Limit	262,144

HWAP20



Item	Details
Chip	QCA9531-BL3A
Flash + RAM	16MB + 128MB
Wireless Specifications	Single-band 300Mbps Qualcomm solution MIMO 2 ×2
Antennas	2 external fiberglass antennas (360° angle)
Coverage radius	100m
Mounting Type	Pole-mount
Housing	IP67 all-cast aluminum housing
Network Port	100M single network port
Power Supply	24V non-standard PoE
Protection Design	Independent lightning and surge protection Design
Working Mode	Fat/fit integration
User Capacity	32
Additional Features (1)	VLAN Adjustable power
Additional Features (2)	Seamless roaming Cloud platform

HWAP30



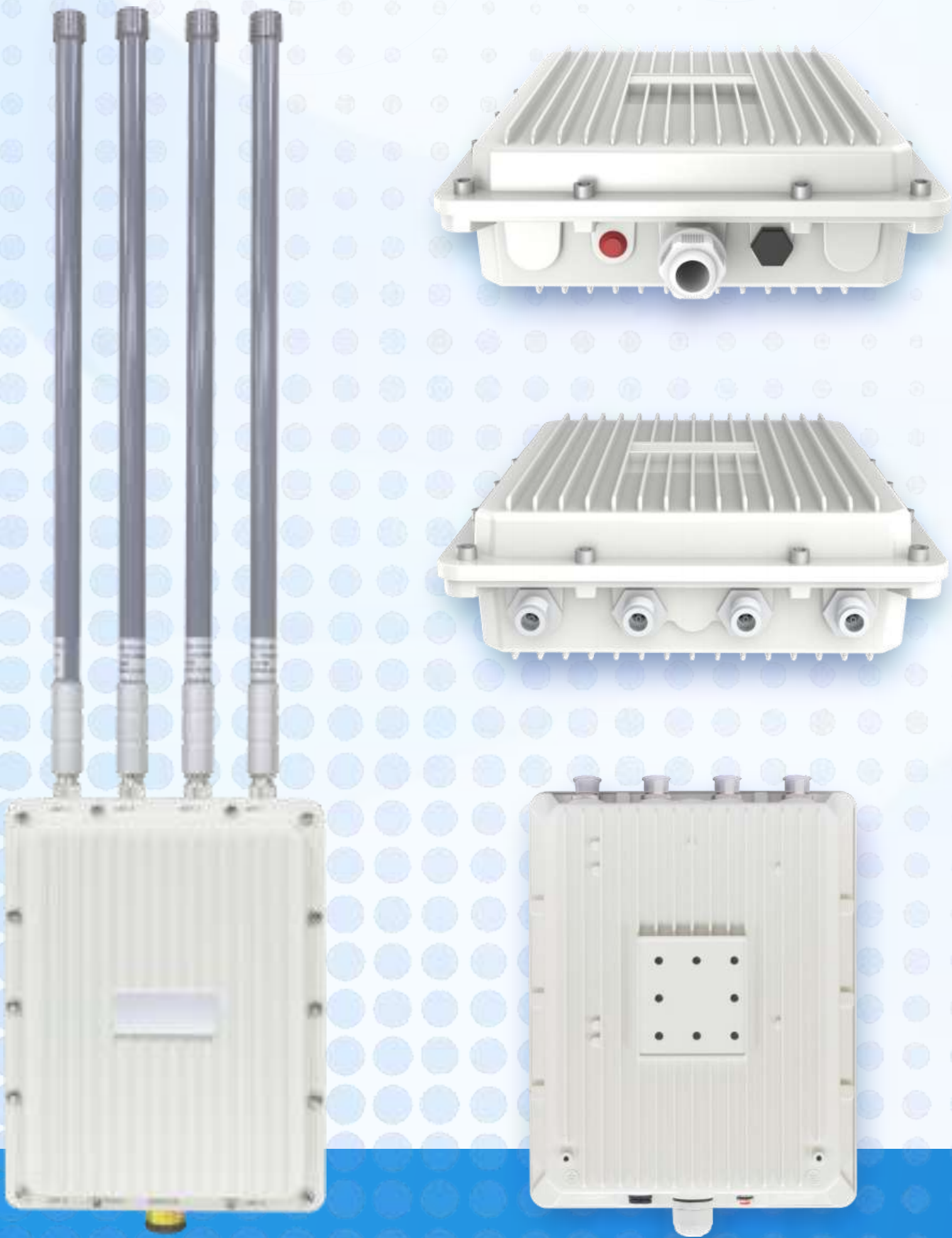
Item	Details
Chip	MT7981B + MT7976CN + 7531AE
Flash + RAM	16MB + 256MB
Wireless Speed & MI MO	3000Mbps MI MO 2 ×2 + 2 ×2
Antennas	4 built-in omnidirectional antennas (360°angle)
Coverage radius	100m
Mounting Type	Pole-mount or wall-mount
Housing	IP67 plastic UV-resistant housing
Network Ports	Dual Gigabit network ports
Power Supply	Support 48V standard PoE (at) power supply
Protection Design	Independent lightning and surge protection Design
Working Mode	Fat/fit integration
User Capacity	128
Additional Features (1)	VLAN Adjustable power
Additional Features (2)	Seamless roaming Cloud platform

HWAP30D



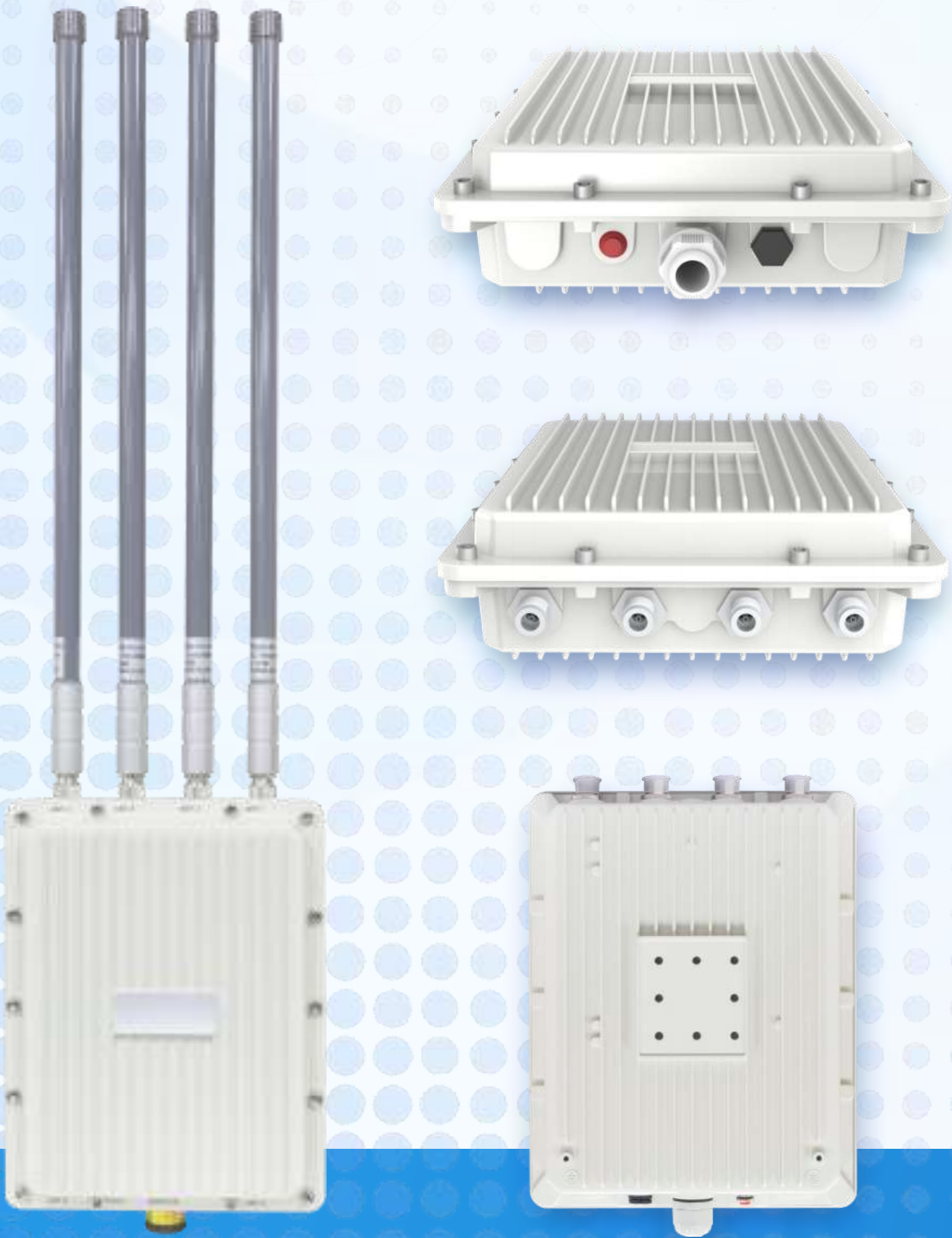
Item	Details
Chip	MT7981B + MT7976DA + GPY211
Flash + RAM	16MB + 256MB
Wireless Speed & MI MO	3000Mbps MI MO 2 ×2 + 2 ×2
Antennas	Built-in directional antennas (angle > 120°)
Coverage distance	> 400m
Mounting Type	Pole-mount or wall-mount
Housing	IP67 plastic UV-resistant housing
Network Ports	1 ×2.5Gbps network port, 1 ×Gigabit network port
Power Supply	Support 48V standard PoE (at) power Supply
Protection Design	Independent lightning and surge protection design
Working Mode	Fat/fit integration
User Capacity	128
Additional Features (1)	VLAN Adjustable power
Additional Features (2)	Seamless roaming Cloud platform

HWAP90



Item	Details
Chip	IPQ6000 + QCA8075 + QCN5022 + QCN5052
Flash + RAM	8MB + 128MB + 512MB
Wireless Specifications	Wi Fi6 Dual-band 1800Mbps Qualcomm ARM Quad-core Solution MI MO 2 ×2 + 2 ×2
Antennas	4 External Fiberglass Antennas (360° Angle)
Coverage Radius	150m
Installation Type	Pole-mount Installation
Housing	IP67 All-cast Aluminum Housing
Network Port	1 Gigabit Single Network Port
Power Supply	48V Standard PoE (at)
Protection Design	Independent Lightning and Surge Protection Design
Working Mode	Fat/fit Integration
User Capacity	192
Additional Features (1)	VLAN Adjustable Power
Additional Features (2)	Seamless Roaming Cloud Platform

HWAP90-P5



Item	Details
Chip	IPQ5018 + QCN6102 + QCA8081
Flash + RAM	8MB + 128MB + 512MB
Wireless Specifications	Wi Fi6 Dual-band 3000Mbps Qualcomm Solution MI MO 2 ×2 + 2 ×2
Antennas	4 External Fiberglass Antennas (360° Angle)
Coverage Radius	150m
Installation Type	Pole-mount Installation
Housing	IP67 All-cast Aluminum Housing
Network Port	1 ×2.5G Network Port
Power Supply	48V Standard PoE (at)
Protection Design	Independent Lightning and Surge Protection Design
Working Mode	Fat/fit Integration
User Capacity	128
Additional Features (1)	VLAN Adjustable Power
Additional Features (2)	Seamless Roaming Cloud Platform

N595K



Item	Details
Chip	MT7628DAN + MT7613BEN
Flash + RAM	8MB + 64MB
Wireless Specifications	Dual-band 1200Mbps MI MO 2 ×2 + 2 ×2
Antennas	2 external waterproof antennas (360° angle)
Coverage radius	100m
Mounting Type	Pole-mount or wall-mount
Housing	IP65 plastic UV-resistant housing
Network Ports	100M dual network ports
Power Supply	24V non-standard PoE / DC12V power Supply
Port Protection	Port lightning & surge protection
Working Mode	Fat/fit integration
User Capacity	64
Additional Features (1)	VLAN Adjustable power
Additional Features (2)	Seamless roaming Cloud platform

B400 V2



Item	Details
Chip	MT7628DAN
Wireless Specifications	Single-band 300Mbps Digital display screen One-key bridging
Network Ports	100M dual network ports
MI MO	2 ×2 MI MO (angles: 45°/30°)
Transmission distance	1KM
Housing	IP65 plastic housing
Port Protection	Port surge protection
Power Supply	24V PoE power supply
Mounting Type	Pole-mount or wall-mount
Management Mode	AC network management Cloud platform

B402



Item	Details
Chip	MT7628DAN
Wireless Specifications	Single-band 2.4GHz 300Mbps One-key Bridge
Network Ports	100M dual network ports
MI MO	2 ×2 MI MO (angle: 60°/60°)
Transmission distance	200m
Housing	IP65 plastic housing
Port Protection	Port surge protection
Power Supply	12V PoE power supply / 12V DC optional
Mounting Type	Pole-mount or wall-mount
Management Mode	AC network management Cloud platform APP

B405



Item	Details
Chip	MT7628DAN + MT7613
Wireless Specifications	Single-band 5GHz 867Mbps One-key bridging
Network Ports	100M dual network ports
MI MO	2 ×2 MI MO (angles: 60°/60°)
Transmission distance	200m
Housing	IP65 plastic housing
Port Protection	Port surge protection
Power Supply	12V PoE power supply / 12V DC optional
Mounting Type	Pole-mount or wall-mount
Management Mode	AC network management Cloud platform APP



N540



Item	Details
Chip	MTK 7628KN + 7610E
Flash	2MB
Memory	8MB
Wireless Specifications (5.8G)	1T1R, 802.11a/n/ac 450M
Network Ports	10/100M WAN + LAN ports
DIP Switch	Master-slave DIP switch
Power	200mW
Antenna	Built-in 14dBi directional antenna (horizontal lobe angle 60°, vertical lobe angle 15°)
Transmission Distance	Within 3000 meters without obstruction
Pairing Support	Supports quick pairing of up to 8 digital tubes in point-to-multipoint mode

N620



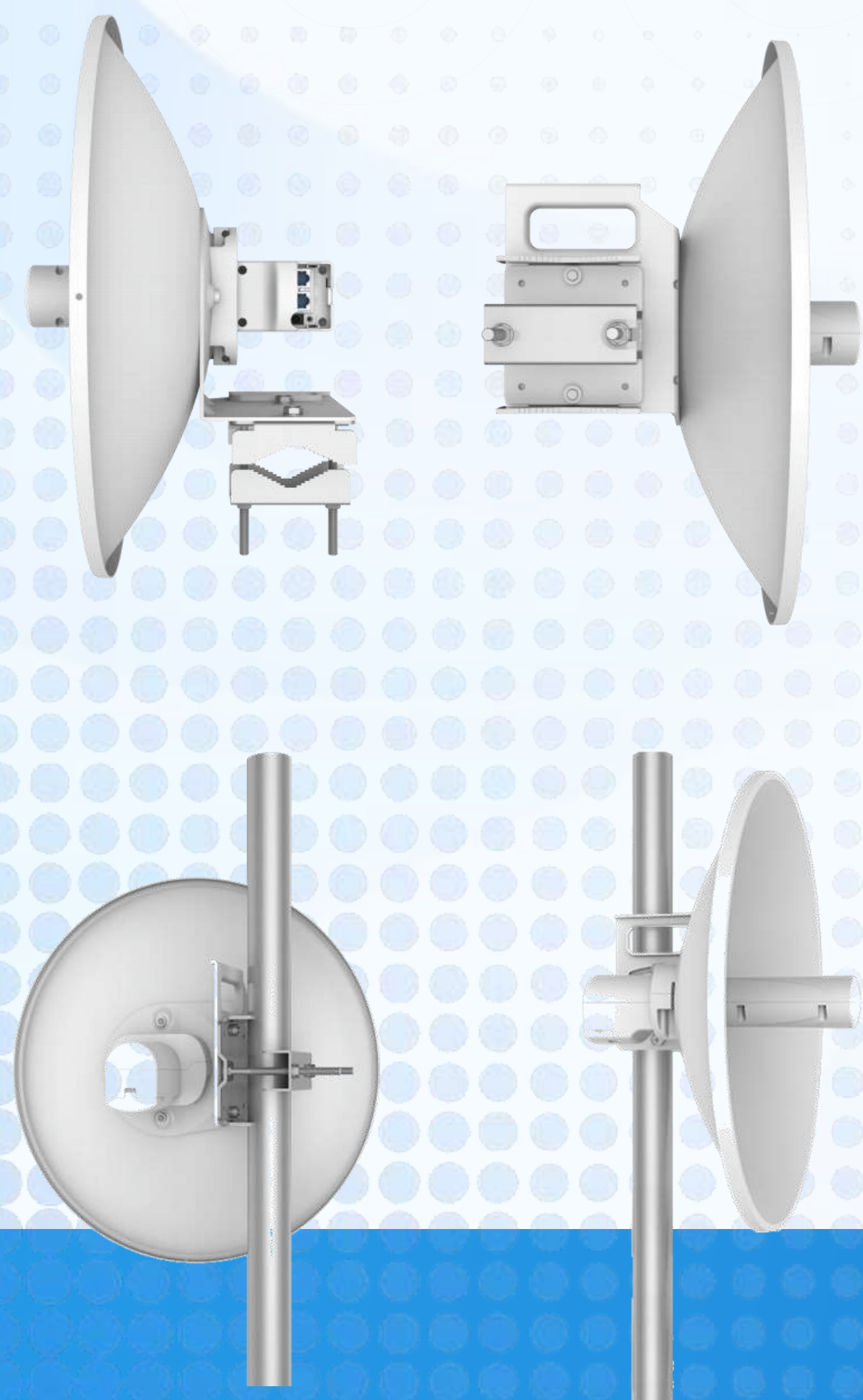
Item	Details
Chip	MTK7620DA + 7621E
Memory	64MB
Flash	8MB
Wireless Specifications (5G)	2T2R, 900M, supporting 802.11a/n/ac
Network Ports	10/100/1000Mbps WAN + 10/100Mbps LAN
DIP Switch	Master-slave DIP switch
Power	500mW
Antenna	Built-in 14dBi directional antenna (horizontal lobe angle 60°, vertical lobe angle 60°)
Power Supply	DC 12V 1A, power consumption < 10W
Transmission Distance	5000 meters
Pairing Support	Supports quick pairing of up to 8 digital tubes in point to-multipoint mode
Additional Feature	Supports frequency spreading

N597



Item	Details
Chip	Qualcomm QCA9563 + QCA9886 + QCA8334
Wireless Specifications	Single-band 5GHz 867Mbps One-key bridging
Network Ports	Dual Gigabit network ports
MI MO	2 ×2 MI MO (angles: 30°/15°)
Transmission distance	10KM
Housing	IP65 UV-resistant plastic housing
Port Protection	Port surge protection
Power Supply	12V-24V PoE / 12V DC power supply (optional)
Mounting Type	Pole-mount or wall-mount
Management Mode	AC network management Cloud platform APP

N597-L20



Item	Details
Chip	Qualcomm QCA9563 + QCA9882 + QCA8334
Wireless Specifications	Single-band 5GHz 867Mbps TDMA3
Network Ports	Dual Gigabit network ports
MI MO	2 ×2 MI MO
Antenna Design	Dish-shaped 27dBi integrated antenna design
Transmission distance	20KM
Port Protection	Port surge protection
Power Supply	48V PoE / 12V DC power supply (optional)
Mounting Type	Pole-mount
Bandwidth Support	Supports 5MHz/10MHz narrow bandwidth
Frequency Spreading	Supports 4.9-6.1GHz frequency spreading
Warranty	Three-year warranty

N597-L20



Item	Details
Chip	MT7621DAT + MT7603EN + MT7613BEN
Memory	256MB
Flash	16MB
2.4G Wi Fi	300Mbps
5.8G Wi Fi	MU-MI MO, 867Mbps
Network Ports	1 x 1000Mbps WAN/PoE port; 1 x 1000Mbps LAN port
Built-in Antennas	2.4G 2dB i FPC antennas × 2; 5G 2dB i FPC antennas × 2
Power Supply	DC interface
Power Consumption	<12W
Supported User Count	100

CA130



Item	Details
Chip	MTK7621 + MT7905 + MT7975
Flash	16MB
Memory	256MB
2.4G Wi Fi	2T2R, supporting 802.11b/g/n/ax at 573M
5G Wi Fi	802.11a/n/ac/ax at 1201M
Network Interfaces	Two 10/100/1000Mbps network interfaces
Antennas	4 x 2dBi omnidirectional antennas
Power Supply Interface	DC interface
Power Consumption	<12W
Supported User Count	128

GA850



Item	Details
Chip	MT7981B + MT7976CN + 7531AE
Flash	16MB
Memory	256MB
2.4G Wi Fi	2T2R, supporting 802.11b/g/n/ax at 573Mbps
5G Wi Fi	802.11a/n/ac/ax at 2401Mbps
Network Interface	1 x 10/100/1000Mbps network interface
Antennas	4 x 2dBi omnidirectional antennas
Power Supply Interface	DC interface
Power Consumption	<12W
Supported User Count	200



THANK YOU!



Nanjing YoongWin Situation Awareness Technology Co., Ltd.