

JTP-5G1800M

Cellular Router

Introduction

The JTP-5G1800M is a Cellular Router that supports carrier aggregation technology, boosting 5G theoretical peak download speeds by up to 1 times, reaching a maximum of 3.6 Gbps. With just a 5G SIM card, it enables devices such as smartphones, tablets, and computers that do not have built-in 5G communication modules to enjoy the blazing-fast experience of 5G networks. Additionally, it comes equipped with three Gigabit Ethernet ports, supporting wired broadband internet connectivity.



Features

- Carrier aggregation technology, 5G peak download speeds reach a maximum of 3.6 Gbps.
- A brand-new 5G smart antenna, supporting up to 11*5G TDD and FDD frequency bands.
- Dual-band concurrent Wi-Fi6(802.11ax) technology, achieving a maximum wireless speed of up to 1800Mbps.

Specifications

Items		JTP-5G1800M	
PORT	Ports	2*GE RJ45 WAN/LAN	
	Hardware	Flash memory	1GB NAND Flash
		DDRIII capacity	256MB DDR3
Interface		1 nano SIM card slot, 1 USB 2.0 port	
Button	Reset button	<3s: restart ≥3s: restore factory settings	
	Power button	<2s: power on ≥2s: power off	
	WPS button	<3s: enable WPS connection ≥3s: initiate Mesh networking	
Performance	Wireless speed	802.11b: 1/2 / 5.5 / 11Mbps 802.11g: 6/9/12/18/24/36/48 / 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1200Mbps 802.11ax: up to 1800Mbps	
	Antenna	2.4G : Internal 2x2 antenna 5.8G : Internal 2x2 antenna 5G/LTE: Internal antenna	
	Frequency band	2.4G:2.412~2.4835GHz 5.8G: 5.150GHz~5.250GHz, 5.7250GHz~5.8250GHz	
	Channel	2.4G: 1~13 5.8G: 36,40,44,48,149,153,157,161,165	
	RF POWER	2.4G: 802.11b: 20dBm ±2dBm@11Mbps 802.11g: 20dBm ±2dBm@6Mbps; 17dBm ±2dBm@54Mbps 802.11n: 20dBm ±2dBm@6Mbps; 17dBm ±2dBm@54Mbps 802.11ax: 20dBm ±2dBm@6Mbps; 17dBm ±2dBm@54Mbps 5.8G:802.11a(VHT20):18dBm ±2dBm@6Mbps; 15dBm ±2dBm@64Mbps 802.11ac(VHT80):18dBm ±2dBm@MCS0; 15dBm ±2dBm@MCS9 802.11ax(VHT80):18dBm ±2dBm@MCS0; 15dBm ±2dBm@MCS11	
	Spread Spectrum	DSSS(Direct Sequence Spread Spectrum)	
	Media Access Protocol	CSMA/CA with ACK	
	Modulation Type	802.11a/g/n/ac/ax: OFDM 802.11b: DSSS	
	Receive Sensitivity	2.4G: 802.11g: <-82dbm@ 6Mbps;<-65dbm@ 54Mbps 802.11n (HT20): ≤ -62dBm@MCS7 802.11n (HT40): ≤ -61dBm@MCS7 802.11ax (HT40): ≤ -79dBm@MCS0; ≤ -49dBm@MCS11 5.8G: 802.11a (VHT20): ≤ -82dBm@MCS0; ≤ -65dBm@54Mbps 802.11ac (VHT80): ≤ -76dBm@MCS0; ≤ -51dBm@MCS9 802.11ax (VHT80): ≤ -76dBm@MCS0; ≤ -46dBm@MCS11	

5G	5G NR	N1/N28/N41/N77/N78/N79
	LTE-FDD	B1/2/3/5/7/8/20/28
	TD-LTE	B34/38/39/40/41
	WCDMA	B1/2/5/8
	ENDC: LTE+NR dual connection	ENDC_3A_n41A; ENDC_39A_n41A; ENDC_1A_n78A; ENDC_3A_n78A; ENDC_5A_n78A; ENDC_8A_n78A; ENDC_3A_n79A; ENDC_39A_n79A; ENDC_40A_n79A;
	MIMO	4x4 MIMO
	5G SA Sub-6	Downlink: Up to 2Gbps, Uplink: 1Gbps
	5G NSA Sub-6	Downlink: Up to 2.2Gbps, Uplink: 575Mbps
Power supply	SIM card	NANO-SIM
	Power input	DC 12V / 2A
Mechanical	System power consumption	≤24W
	LED	<ul style="list-style-type: none"> Power link : Blue WAN link / active : Yellow, Green blink; WAN link / inactive : Yellow, Green; LAN link / active : Yellow, Green blink; WAN link / inactive : Yellow, Green; WiFi 2.4G or 5G link: Green; WiFi 2.4G or 5G active: Green blink WiFi 2.4G and 5G link: Blue; WiFi 2.4G and 5G active: Blue blink During WPS (WiFi Protected Setup) connection, the lights alternately blink blue and green. After a successful connection, they return to normal state. 5G: Blue, 4G: Green, 3G: Red, no network connectivity: Red blink
Environment	Operating Temperature	-10°C to 50°C
	Storage Temperature	-20°C to 70°C
	Humidity	5% to 90%(non-condensing)
Certifications	Certifications	CE; FCC; RoHS

Software Features

Items	JTP-5G1800M
Main Functions	5G network MESH 11AX WiFi6
WLAN	WiFi settings Blacklist and whitelist WPS WPA-PSK/WPA2-PSK, WPA/WPA2/WPA3 encryption
Advanced Network Settings	IPv6 APN Guest Network Parental control VPN client
Text message	Inbox, Outbox, Draft Box
Firewall	ALG Port Mapping DMZ MAC Filtering IP Filtering NAT DDOS
Management & maintenance	SNTP PIN code management Device Information cell lock Traffic statistics TR069 Change password Backup Upgrade Reboot Factory reset ping syslog

Order Information

Model	Description
JTP-5G1800M	2-port (2*GE WAN/LAN) 5G Cellular Router