

JTR-AX3000

Managed Router

Introduction

The JTR-AX3000 is a dual band gigabit managed Wi-Fi 6 indoor router that comes with 1*GE WAN port and 3*GE LAN port. It supports comprehensive management functions, including CLI command-line, web-network management and Telnet, making management more convenient. Furthermore, the JTR-AX3000 router also offers cloud management software support to meet the demands of centralized management. It can be easily applied in various scenarios.



Features

- Dual band gigabit managed Wi-Fi 6 indoor router with 1*GE WAN port and 3*GE LAN port
- High-Performance Connectivity: support IEEE 802.11.ax, up to 3000Mbps speed
- Easy Network Management with web browser, Telnet and CLI by serial console port.

Specifications

Items		JTR-AX3000
PORT	Ports	1*GE RJ45 WAN+3* RJ45 GE LAN
	Console ports	N/A
	USB ports	N/A
	Bluetooth	Supported
Hardware	Flash memory	128MB SPI NAND
	DDRIII capacity	512MB (Compatible with 256MB)
Button	Reset button	Supported
Performance	Standard	IEEE 802.11.ax
	Wireless speed	3000Mbps(2.4G:3*3MIMO, 5G:3*3MIMO)
	Antenna	external 6* 3dBi omnidirectional antenna
	Power Deviation	±2dBm
	Frequency band	2.4GHz 2.4 to 2.483GHz; 5GHz band:5.150 to 5.350GHz, 5.725 to 5.850 GHz
	Receiver Sensitivity	2.4GHz: <ul style="list-style-type: none"> • 802.11b, min. up to -90dBm • 802.11g, min. up to -74dBm; • 802.11n, min. up to -69dBm ; • 802.11ax, min. up to -56dBm 5GHz: <ul style="list-style-type: none"> • 802.11a, min. up to -90dBm; • 802.11ac, min. up to -69dBm; • 802.11ax, min. up to -54dBm; • 802.11ax, min. up to -50dBm
RF POWER	2.4GHz: 802.11b:1Mbps:21dBm; 802.11g:54Mbps:19dBm; 802.11n :HT20-MCS7:18dBm; 802.11ax :HE40-MCS11:17dBm 5GHz: 802.11a:6Mbps:22dBm; 802.11ac :VHT20-MCS7:20dBm; 802.11ax :HESU80-MCS11:17dBm; 802.11ax :HESU160-MCS11:17dBm	
Power supply	Input range	12VDC
	Maximum power consumption	12W
Mechanical	Mounting type	Desktop
	Dimension (W x D x H) mm	230*150*45 (TDB)
Environment	Operating Temperature	0° to 50°C
	Storage Temperature	-40° to 70°C
	Humidity	5% to 90%(non-condensing)
Certifications	Certifications	CE; FCC; RoHS

Software Features

Items	JTR-AX3000
Maximum number of access	1024
WLAN	40MHz channel 160MHz channel MU-MIMO OFDMA TWT A-MPDU MLD MRC STBC LDPC 16 virtual APs per RF RTS/CTS CTS-to-self Hide SSID Terminal aging Heartbeat detection
Work Mode	Bridge mode Route mode Client mode
RF management	Load Balance (based number of clients, based client traffic) 5G advanced Selecting the channel automatically auto-power adjusting Intelligent rate Selection algorithm Fair scheduling of time
Roam	Roaming and Switch of Wireless LAN Supports 802.11k, 802.11v, 802.11r L2 roaming L3 roaming Turbo Roam
QoS service	priority mapping Policy Mapping bandwidth control WMM Call Admission Control (CAC)
L2 / L3 function	DHCP server IPv6 ACL NAT
Security	Supports 64/128 bit WEP, dynamic WEP, TKIP, CCMP, WAP3 encryption Support multiple authentication methods such as WPA, WPA-PSK, WPA2 Enterprise, WPA2-PSK, WPA3, MAC address authentication, web authentication, and PPPoE authentication Wireless client L2 isolation wIDS Radius Client Authentication server multi domain configuration Backup authentication server
Management & maintenance	SNMP V1/V2c/V3 Trap Telnet FTP/TFTP WEB

Order Information

Model	Description
JTR-AX3000	4-port GE (1*GE WAN+3*GE LAN) Dual Band Managed Router