JTQ-900MS Bridge　　　　　　　　　　Wireless Bridge

Introduction

The JTQ-900MS Bridge is a high-performance enterprise-grade outdoor bridge product that operates in the 5G frequency band and supports 802.11ac technology. It features a unique digital display pairing technology, eliminating the need for computer configuration, making it easy to pair devices in point-to-point and point-to-multipoint (up to 8 points) configurations. With 5G 802.11ac MIMO technology, wireless processing speeds can reach up to 900Mbps and also can support 24V PoE for power supply as well as local 12V 1A DC power. Designed with an IP65-rated outdoor housing, this bridge offers protection against wind, rain, dust, sunlight, and more, which finds wide applications in short to medium-distance video and data transmission scenarios.

Features

- 5.8GHz, 802.11ac with 900Mbps, featuring a 14dBi high-gain directional antenna.
- Professionally designed outdoor housing to withstand various harsh environments
- Effective transmission distance of 3km, providing extensive wireless coverage
- 24V PoE for simplified deployment

CE FC RoHS

Specifications

Items		JTQ-900MS Bridge
PORT	Ports	1*GE RJ45 WAN
Hardware	Flash memory	8MB
	DDRIII capacity	128MB DDR RAM
Button	Reset button	Short press: reboot Long press: 15 seconds for factory reset
	DIP switch	Switching Left and Right (Master and Slave Modes)
Performance	Standard	IEEE 802.11a/n/ac
	Wireless speed	5G:900M MIMO
	Antenna	Internal 2x2 14dBi directional antenna
	Frequency band	ISM band: 4.900GHz ~ 5.850GHz
	Channel	5G: 36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161
	Receiver sensitivity	802.11a: –65dBm@54Mbps, –81dBm@6Mbps 802.11n 20MHz: –64dBm@MCS7, –82dBm@MCS0 802.11ac 40MHz: –61dBm@MCS7, –79dBm@MCS0 802.11ac 80MHz: –58dBm@MCS7, –76dBm@MCS0
	RF POWER	802.11a @54M:20±1dB, @6M:23±1dB 802.11n 40MHz @MCS7:20±1dB, @MCS0:23±1dB 802.11ac 40MHz @MCS7:19±1dB, @MCS0:22±1dB 802.11ac 80MHz @MCS7:19±1dB, @MCS0:22±1dB
	Modulation type	OFDM = BPSK,QPSK,16-QAM,64-QAM, 256-QAM;DSSS = DBPSK,DQPSK,CCK
Power supply	Input	DC 12V / 1A PoE(non-standard) 24V / 1A
	Maximum power consumption	10W
Mechanical	LEDs	●Wireless Signal ● LAN1/LAN2 ● Power
	IP Rating	IP65
Environment	Operating Temperature	–30ºC to 55ºC
	Storage Temperature	–40ºC to 70ºC
	Humidity	5% to 90%(non-condensing)
Certifications	Certifications	CE; FCC; RoHS

Software Features

Items		JTQ-900MS Bridge
Features	WLAN	WPA、WPA2、WPA-PSK、WPA2-PSK encryption RTS/CTS Threshold Configuration, Beacon Interval Configuration, Fragmentation Threshold Setting.
	Bridge management	Real-time Remote Device Management
	Networking Modes	Point-to-Point, Point-to-Multipoint (Up to 8 Points)
	Work Mode	Bridge mode Gateway mode
	Bridge mode	Master mode, Slave mode (Switching Left and Right)
	Ineternet configuration	Bridge mode: Static IP/DHCP Gateway mode: Static IP/DHCP/PPPoE
	Management & maintenance	NTP Syslog Factory Reset Backup Configuration Import Configuration Software upgrading

Order Information

Model	Description
JTQ-900MS Bridge	1-port (1*GE WAN) Bridge