
Product Datasheet

WQ3KM5803

5.8GHz 3km Wifi6 outdoor long-distance transmission bridge



1、 PRODUCT OVERVIEW AND FEATURES

Product overview:

WQ3KM5803 is an outdoor wireless network bridge designed for video surveillance in elevators, pendants, communities, schools, factories, orchards, breeding plants, planting greenhouses, scenic spots and other scenes; it is a dual Gigabit high-speed wireless network that can provide ultra-high speed Transmission, both 2.4GHz and 5GHz support the new generation WiFi 6 (802.11ax) technology, with dual-band concurrent rates up to 2976Mbps (2.4GHz: 574Mbps, 5GHz: 2402Mbps); high-performance dual-core processor, comprehensively improves network load capacity, faster data forwarding, and more stable long-term operation; using OFDMA and MU-MIMO technology, the transmission efficiency is significantly improved, and the delay is greatly improved Reduce; multi-network port design easily solves the problem of additional switches and power supply in multiple camera usage scenarios.

Product features:

- Comply with IEEE802.11ax/ac/a/n 5GHz, IEEE 802.11ax/b/g/n 2.4GHz standard protocol
- Comply with IEEE802.3, IEEE802.3u, IEEE802.3ab standard protocols
- Dual-band wireless concurrent rate 2976Mbps
- Dual-core, high-performance master chip processor
- Support WPA-PSK, WPA2-PSK, WPA-PSK+WPA2-PSK, WPA3-SAE encryption
- 5×10/100/1000Mbps Adaptive network port

2、 TECHNICAL SPECIFICATION

Hardware specifications	
CPU	MT7981BA+7976CN+7531AE CPU dual-core 1.3GHz
FLASH	16MMB
DDR	256MB
Network interface	5×10/100/1000M Adaptive LAN port (Auto MDI/MDIX)
Cable standard	IEEE802.3, IEEE802.3u, IEEE802.3ab
Antenna	Built-in bipolarization directional antenna
Button	Reset Button *1
DC power input	DC input 12V/1.5A
Panel indicator light	LED*8 (PWR、 2.4G、 5.8G、 LAN1~LAN5)
Dimension	205*105*55mm
Net/Gross Weight	<0.34kg*2 / <0.90kg
Working temperature	-10° C~55° C
Operating humidity	10%~95% RH
Storage temperature	-40~+80° C
Storage humidity	10%~95% RH
Wireless specifications	
Wireless standards	IEEE 802.11b/g/n/a/ac/ax
Wireless band	2.4GHz、 5GHz

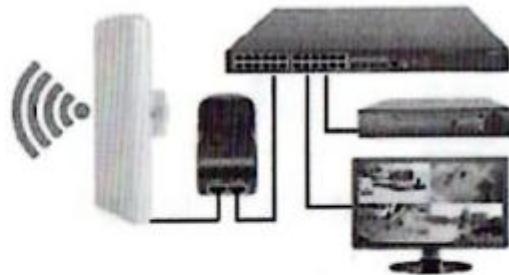
Wireless rate	2.4GHz: 574Mbps、5GHz: 2402Mbps
Wireless encryption	WPA-PSK, WPA2-PSK, WPA-PSK+WPA2-PSK, WPA2-PSK/WPA3-SAE

3、 APPLICATION

1、 A Schematic diagram of the point-to-point connection:

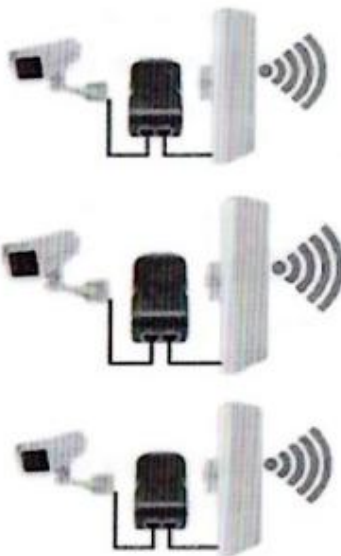


Bridge connects to the POE port of the power supply
Camera connects to the LAN port of the power supply

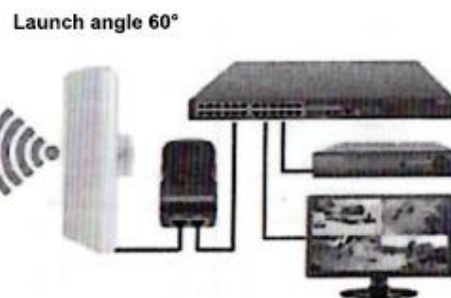


Bridge connects to the POE port of the power supply, the LAN port of the power supply connects to the Switch or NVR

2、 Schematic of point-to-multiple connections:



Bridge connects to the POE port of the power supply
Camera connects to the LAN port of the power supply



Bridge connects to the POE port of the power supply, the LAN port of the power supply connects to the Switch or NVR

4、CONTACT US



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