



## Product Description

The 5km 5GHz Outdoor Universal Dial-up Wireless Bridge, supporting 802.11ac, delivers fast and reliable connectivity over long distances, perfect for extending network coverage in outdoor environments such as campuses and industrial sites. Its durable design ensures optimal performance even in harsh weather conditions.



## Product Features

- **Long-Range Connectivity:** Enables reliable communication over vast outdoor areas with a 5-kilometer wireless transmission distance.
- **High-Speed Wireless:** Offers fast and stable wireless connections on the 5GHz frequency band, supporting the 802.11ac standard.
- **Flexible Networking:** Supports point-to-point and point-to-multipoint networking modes for versatile setup options.
- **High Capacity:** Handles multiple IP camera channels, accommodating up to 60 channels of 2MP IPC or 24 channels of 6MP IPC at a 5-kilometer range.
- **Robust Construction:** Built to withstand harsh outdoor conditions, with an operating temperature range of -30°C to 70°C.
- **Easy Installation:** Equipped with adjustable dipole antennas for simplified installation and optimized signal strength.
- **Intelligent Management:** Features intelligent power and spectrum management for efficient resource use and minimized interference.
- **User-Friendly Management:** Offers unified management through a mobile app and client interface, with visual topology and intelligent operation and maintenance.

# Wireless Bridge Datasheet



## Specifications

Network Interface Type	2 x RJ45, 10/100/1000 Mbps adaptive
Wireless Transmission Distance	5 km.
Networking Mode	Point-to-point, point-to-multipoint
Capacity	One central end supports 20 channels of 2M bitstream IPC
Wireless Standard	IEEE 802.113c (2 x 2 MIMO 866 Mbps)
Operating Frequency Band	5180 MHz ~ 5320 MHz, 5745 MHz ~ 5825 MHz
Antenna Parameters	Antenna Gain: 12+2 dBi; Half-power Beam Width: 35° ± 5°
Transmit Power	Single Stream: 27±3 dBm @ AC20-MCS0
Receiver Sensitivity	-60+2dBm @ AC80-MCS9; -86+2 dBm @ AC80 -MCS0
Maximum Air Interface Transmission Rate	≤ 866 Mbps
LED Indicators	PWR Power Indicator, LAN Port Indicator, Signal Strength Indicator
Operation Temp.	-30°C~70°C
Operation Humidity	5%~95% RH
Dimensions	92mm x 58mm x187mm
Weight	300g
Power Supply	12V DC,1A



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