

WL-ND-B601

2.4GHz 8dBi Outdoor CPE.



Features;

The WL-ND-B601 is a high-performance enterprise-class outdoor network bridge that works in 2.4g band and supports 802.11n technology. Unique digital tube matching technology, no need for computer configuration, easy to complete point-to-point, point-to-multipoint (less than 8 points) device matching. 100 MBPS network interface, 2.4g 802.11n MIMO technology, wireless processing speed up to 300Mbps. Flexible power supply mode: supports 24V PoE cables and 12V 1A DC local power supply. The power supply distance of network cables can reach 50-70 m (depending on the network cable material). Adopt outdoor IP65 windproof, rainproof, dustproof, sunscreen protection grade shell design, easily adapt to all kinds of harsh outdoor environment. Built-in 8dBi dual polarization plate antenna, easy and quick installation. With high performance, high gain, high receiving sensitivity, high bandwidth and other characteristics, greatly enhance the wireless transmission performance and stability, mainly suitable for elevator monitoring and other outdoor uses.

Technical Specifications:

Hardware configuration	
Main Chip	MT7628KN
Frequency	575MHz
Memory	8MB
Flash	1MB
Wireless Technology	802.11b/g/n 300Mbps MIMO
Device Interfaces	LAN*1 10/100Mbps adaptive Ethernet port DC power interface, compatible with power plugs with an outer diameter of 5.5mm, inner diameter of 2.1mm, and length of 9.5mm or above
Buttons	Reset Factory/ Digital Compound Button, short press to adjust the numeric display value, long press for 5 seconds to restore factory settings.
Indicators	PWR power indicator, LAN port status indicator, SIG1/SIG2/SIG3 signal strength indicators, numeric display.
Antenna	Built-in dual-polarization 8dBi directional panel antenna (horizontal beamwidth 90°, vertical beamwidth 90°)
Power	24V/0.5A PoE remote power supply DC 12V/1A, positive external and negative internal
Operating/Storage Temperature	-30°C~55°C/ -40°C~70°C
Operating/Storage Humidity	10%~90%(operating) /5%~95%(storage)
Dimensions	140*75*34mm
Weight	0.15kg
WiFi Specification	
Frequency Range	802.11b/g/n:2.4~2.4835GHz
Channel	1、2、3、4、5、6、7、8、9、10、11、12、13
Modulation	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM)
Transmission Rate	11b up 11Mbps, 11g up 54Mbps, 11n up to 300Mbps
Receiver Sensitivity	11b: $\leq -90 \pm 1.5\text{dBm}$ @1Mbps, $\leq -84 \pm 1.5\text{dBm}$ @11Mbps 11g: $\leq -86 \pm 1.5\text{dBm}$ @6Mbps, $\leq -69 \pm 1.5\text{dBm}$ @54Mbps 11n 20MHz: $\leq -85 \pm 1.5\text{dBm}$ @MCS0, $\leq -67 \pm 1.5\text{dBm}$ @MCS7 11n 40MHz: $\leq -82 \pm 1.5\text{dBm}$ @MCS0, $\leq -64 \pm 1.5\text{dBm}$ @MCS7
Transmit Power	11b: $\geq 17 \pm 1.5\text{dBm}$ @11Mbps 11g: $\geq 15\text{dBm} \pm 1.5\text{dBm}$ @54Mbps 11n: $\geq 14\text{dBm} \pm 1.5\text{dBm}$ @MCS7

Software Functions	
Operation Mode	Bridge Access Point, Bridge Client
Network Topology	Point-to-Point, Point-to-Multipoint (up to eight points)
Management Method	WEB remote management / Local centralized management platform for bulk management
Status	The system state/Bridge Status/Interface Status
Bridge	Wireless Mode: Bridge access point/Bridge client Bridge access point: Bridge SSID/Encryption/Bridge Password/Wireless protocol/Wireless bandwidth/ Wireless channel/Wireless TX power Bridge client: Bridge SSID/Encryption/Bridge Password/MAC /Wireless channel/Wireless TX power
Network	Obtain IP address: Automatic acquisition/Static IP IP address/Subnet mask/Gateway/DNS1/DNS2
System	System Debug/Change Password/Reboot/Reset/Upgrade

