

3KM Commercial-Grade Wireless Bridge



DESCRIPTION

The NODEXON NX-B8605G-3KM is a high-performance, high-speed outdoor omnidirectional wireless bridge designed to provide stable and reliable wireless connectivity over long distances. With a transmission range of up to 3 KM, it offers strong signal coverage and efficient data transmission for a wide range of outdoor networking applications.

Featuring strong penetration capability and excellent anti-interference performance, the NX-B8605G-3KM maintains a stable connection even in challenging outdoor environments. Its omnidirectional design provides broader wireless coverage, making it ideal for CCTV surveillance, outdoor network expansion, industrial communication, remote connectivity, and multi-device wireless networking applications.

FEATURES & BENEFITS

- › Gigabit Dual-Port | 867Mbps @ 5GHz Band
- › External 12dBi Omnidirectional Antenna (3KM Coverage Radius)
- › Supports Universal Repeater Mode & Access Point (AP) Mode
- › UV-Resistant Outdoor Enclosure (3-Year Limited Warranty)
- › IP65 Rated | -30°C~55°C Operating Temperature
- › Flexible PoE/DC Power | Surge-Protected Ports
- › Pole/Wall Mounting | Cloud Platform & APP Management



3KM



Tri-Band
6G



Full Gigabit
Ethernet
Port



PoE/DC
Power
Supply



Fat &
Skinny



Seamless
Roaming



Commercial
Cloud
Platform



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HARDWARE SPECIFICATION

MODEL	NX-B8605G-3KM
5GHz Operating Frequency Band	5.150GHz~5.850GHz
5GHz WIFI Transmission Protocol	802.11 a / n /ac wave2
Antenna	2 RP-SMA-J connectors (external thread, internal pin), external omnidirectional antenna, gain: 12dBi
Wireless Speed 5GHz	867Mbps
Wireless power	< 25±2dBm
Interface (WAN)	1/10/100/1000M Self-adaptive WAN Port, Supports 12V non-standard PoE power supply
Interface (LAN)	1/10/100/1000M Self-adaptive LAN Port
Power supply	PoE 12V (supports network cables < 30meter; for cables > 30meter, an optional power supply > 24V is required). DC 12V power input is supported.
Max Power	DC 12V power input is supported.
Consumption Rest	<10W
Button	hold 10 seconds to restore factory defaults, Press for 1 second to initiate pairing
Slide Switch	One-touch master/slave configuration
Status indicator	SYS LED, WAN Port LED, LAN Port LED, 5G WiFi LED, Signal Strength LEDs × 4
Product Dimensions	186×86×40mm
Weight	0.4kg
Work Environment	Working:-30°C to 55°C Storage: -40°C to 70°C Humidity: 5%~95% (Non-Condensing)
IP-rated protection	IP65



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SOFTWARE SPECIFICATION

MODEL	NX-B86O5G-3KM
Status Display	Displays work mode, Network topology, Signal strength, CPU/memory usage, Real-time traffic rate, Device description LAN info, Wireless info, Bridge info, WAN info (gateway/WISP).
Work Mode	AP Mode, Bridge Mode, WISP Mode, Gateway Mode
CPE Management (AP/Bridge Mode)	Self-management function for bridges based on the proprietary GHCP protocol
Wireless Features	SSID Broadcast, Hidden SSID, Channel Selection, Encryption Method (NONE, WPA/WPA2PSK-AES), Max Client Limit (0-64), Virtual AP Support (2) Country Code, Client Isolation, DFS, Radio Mode (2×2 MIMO/SISO) MAC Access Control: Supports Blacklist/Whitelist Mode to restrict specific MAC addresses from accessing WiFi Scheduled Shutdown BSSID Lock, Auto-Restart Policy (Watchdog Mechanism)
Security Center	URL Filtering IP Address Filtering MAC Address Filtering Port Mapping DMZ
Network Features	IPv4/IPv6 Port Settings Ping Traceroute LLDP Settings Cloud Platform Static DHCP: Binds MAC addresses to fixed IPs, supports 32 rules Remote Login, VPN (IPsec/PPTP/L2TP) Static Routing: Supports 16 routing rules
Device Management	Configuration Management Scheduled Reboot Firmware Upgrade NTP, Manual & Host Time Synchronization System Log, Remote Log HTTP, Telnet, SSH, SNMP Traffic Control Settings Time Group/IP Group Management DDNS Settings



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ORDER INFORMATION

PART NUMBER	DESCRIPTION
NX-B8605G-3KM	NODEXON 3KM Commercial-Grade Wireless Bridge

Note:

**Unless TAA compliance is explicitly requested and confirmed per line item prior to order processing, standard commercial (non-TAA) equivalents or general inventory items may be supplied.*

To maintain high quality and continuous improvement, the vendor reserves the right to alter product specifications at any time without prior notification.

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