

1.5KM Digital Elevator Wireless Bridge



DESCRIPTION:

The NODEXON NX-B30M2G-1KM is a high-performance indoor wireless bridge designed to provide stable and reliable wireless connectivity over long distances. Operating on the 2.4GHz frequency band and compliant with IEEE 802.11n, it delivers efficient data transmission with strong signal coverage and dependable performance.

With its long-range transmission, strong penetration, and anti-interference capabilities, the NX-B30M2G-1KM ensures a stable connection even in challenging indoor environments. It is suitable for CCTV surveillance, network expansion, device-to-device communication, and other indoor wireless networking applications.

FEATURES & BENEFITS

- › 2.4GHz band wireless speed up to 300Mbps
- › Provide 2×10/100M RJ45 ports
- › Digital display, easy to debug without a computer
- › Built-in 8dBi directional antenna enabling transmission over 1.5KM
- › Supports point-to-point (P2P) and point-to-multipoint (P2MP) expansion
- › Features one-push pairing for rapid installation and debugging
- › Versatile PoE/DC power supply with surge-protected ports
- › Cloud platform and APP management for simplified maintenance



1KM



Tri-Band
6G



Full Gigabit
Ethernet
Port



PoE/DC
Power
Supply



Fat &
Skinny



Seamless
Roaming



Commerical
Cloud
Platform



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HARDWARE SPECIFICATION

MODEL	NX-B30M2G-1KM
2.4G Operating Frequency Band	2.4GHz ~ 2.484GHz
2.4G WiFi Transmission Protocol	802.11b / g / n
Peak data rate	300Mbps
Antenna	2 × 2.4G antennas, Each with [X] dBi gain: 8dBi
2.4G Wireless power	<21±2dBm
Interface	1/10/100M Self-adaptive WAN Port, Standard 24V PoE 1/10/100M Self-adaptive LAN Port
Button	Reset Button (hold 6-10 seconds to restore factory defaults, 1-second short press for one-touch pairing) 1 × DIP switch (Right: Master / Left: Slave) 2 digital display control buttons (Function "F" and Select "S")
Status indicator	LED indicators: WAN, LAN, WiFi (×1), PWR, Digital display
Power supply	24V PoE
Max Power Consumption	<5W
Product Dimensions	168mm×88mm×57.52mm
Weight	0.2412kg
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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Wireless Bridge



SOFTWARE SPECIFICATION

MODEL	NX-B30M2G-1KM
Dashboard	Wireless AP download, Wireless AP upload rate, System uptime Device information (description, LAN status, WiFi configuration)
Operation Modes	AP Mode: Provides wireless coverage to client devices while connecting to upstream router via Ethernet for WAN access. Universal Repeater Mode: Establishes wireless connection to another AP while simultaneously providing wireless coverage to clients.
Wireless Features	SSID Broadcast SSID Quantity: 4 Hidden SSID capability Authentication methods: OPEN, WPA/WPA2PSK_TKIPAES Configurable channel and channel bandwidth Wireless MAC address filtering VLAN ID: VLAN-ID(valid range: 3-4094; 0=disabled) Scheduled WiFi shutdown Client isolation Transmit power adjustment Wireless client limit WiFi environment analysis IGMP Snooping
Network Features	IPv4 Address: Supports static IP, or obtains address from management server/gateway. DHCP Server: DHCP server can be internal or external. Cloud platform integration
Device Management	Configuration backup Configuration restore Factory reset System reboot (immediate or scheduled) Password modification Firmware upgrade (with optional post-upgrade factory reset) Time management (display and NTP synchronization) System logs Multicast acceleration

ORDER INFORMATION

PART NUMBER	DESCRIPTION
NX-B30M2G-1KM	NODEXON 1.5KM Digital Elevator 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.

