Datasheet

NODEXON™
redefining networks

2KM Digital Elevator Wireless Bridge



DESCRIPTION

The NODEXON NX-B86M5G-2KM is a high-performance outdoor wireless bridge designed to provide fast, stable, and reliable connectivity over long distances. Operating at 5.8GHz and compliant with IEEE 802.11n, it delivers efficient wireless data transmission with strong signal performance for demanding outdoor applications.

Featuring long-range transmission, strong penetration, and excellent anti-interference capabilities, the NX-B86M5G-2KM ensures a stable connection even in challenging outdoor environments. It is ideal for CCTV surveillance, point-to-point networking, building-to-building communication, remote network access, and other outdoor wireless networking applications.

FEATURES & BENEFITS

- 5GHz band wireless speed up to 867Mbps
- Provide 2×10/100M RJ45 ports
- Digital display, easy to debug without a computer
- Built-in 12dBi directional antenna enabling transmission over 2KM
- 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







802.11ax 1KM | 6G Tri-Band 6G | Full Gigabit Ethernet Port | PoE/DC Power Supply | Fat & Skinny | Seamless Roaming | Commerical Cloud Platform

Datasheet

NODEXON™
redefining networks

2KM Digital Elevator Wireless Bridge



HARDWARE SPECIFICATION

MODEL	NX-B86M5G-2KM
Frequency Band	5.150GHz~5.850GHz
WIFI Protocol	802.11 a / n /ac
Wireless Speed	867Mbps
Antenna	Built in directional flat-panel antenna , gain: 12dBi
Tx Power	< 19± 2dBm
Interface (WAN)	1/10/100Mbps WAN Port, 24V PoE
Interface（LAN）	1/10/100Mbps LAN Port
Button	Reset Button (hold 6-10 seconds to restore factory defaults) 1 × DIP switch (Right: Master / Left: Slave) 2 digital display control buttons (Function "F" and Select "S")
Display Screen	Digital tube display (shows Master/Slave status, channel, signal strength bars, etc.)
Status Indicator	PWR, WAN , LAN, WiFi
Power Supply	12~24V PoE
Power Consumption	<5W
Dimensions	168mm×88mm×57.6mm
Net Weight	0.24kg
Work Environment	Working:-30°C to 55°C Storage: -40°C to 70°C Humidity：5%~95% (Non-Condensing)
IP-rated protection	IP65

Datasheet

NODEXON™
redefining networks

2KM Digital Elevator Wireless Bridge



SOFTWARE SPECIFICATION

MODEL	NX-B86M5G-2KM
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 Multicast acceleration
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-B86M5G-2KM	NODEXON 2KM 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.

+1 (877) 677-4040 info@nodexon.com 1178 Broadway, 3rd Floor, Suite 318B, New York, NY 10001