

5KM Medium and Long Distance Wireless Bridge



DESCRIPTION

The NODEXON NX-B86M5G-5KM is a high-performance, high-speed outdoor wireless bridge designed to deliver stable and reliable long-range connectivity. With a transmission distance of up to 5 KM, it provides efficient and consistent data transmission for demanding outdoor networking environments.

Featuring strong penetration capability and excellent anti-interference performance, the NX-B86M5G-5KM helps maintain a stable wireless connection even in challenging conditions. It is well suited for CCTV surveillance, point-to-point networking, remote connectivity, building-to-building communication, industrial applications, and other long-distance outdoor wireless networking requirements.

FEATURES & BENEFITS

- Gigabit Dual-Port | 867Mbps @ 5GHz Band
- TDMA 3 Dynamic Polling Protocol - Superior Interference Immunity
- Narrow Channel Bandwidths: 5MHz/10MHz Supported
- Built-in 15dBi Directional Antenna (8KM Line-of-Sight Transmission)
- 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



5KM



Tri-Band
6G



Full Gigabit
Ethernet
Port



PoE/DC
Power
Supply



Fat &
Skinny



Seamless
Roaming



Commercial
Cloud
Platform



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Distance Wireless Bridge



HARDWARE SPECIFICATION

MODEL	NX-B86M5G-5KM
5GHz Operating Frequency Band	5.150GHz~5.850GHz
5GHz WIFI Transmission Protocol	802.11 a / n / ac / ax
Wireless Speed	867Mbps
Antenna	Built-in 15dBi directional panel antenna
5GHz Wireless power	< 26± 2dBm
Interface (WAN)	1/10/100/1000M Self-adaptive WAN Port, Supports 24-48V non-standard PoE power supply
Interface (LAN)	1/10/100/1000M Self-adaptive LAN Port
Button	Reset Button (hold 6-10 seconds to restore factory defaults)
Status indicator	SYS LED, WAN Port LED, LAN Port LED, Signal Strength LEDs ×5
Power supply	PoE 24V Passive and DC 12-24V; Customizable IEEE 802.3af-compliant 48V PoE version available
Max Power Consumption	<10W
Product Dimensions	245×83×43.43mm
Weight	0.38kg
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-B86M5G-5KM
Dashboard	Device Information, Wireless Information, Network Information, Port Information
Wireless Mode	Access Point (Auto WDS), Access Point (TDMA3), Station (WDS/TDMA3), Station (ARP NAT)
Wireless Technology	Intelligent Dynamic Polling, Auto Channel Selection, Auto Modulation Selection, Automatic Transmit Power Control (ATPC), Backup SSID
Wireless Security	WPA/WPA2 Personal Encryption, WPA/WPA2 Enterprise Encryption, WACL (Wireless Access Control List), Client Isolation
Wireless QoS	TDMA-based 4-level Priority Queuing, Bandwidth Limiting
Network Mode	IPv4 IPv6 Bridge, Router
Network Technology	VLAN Support, VLAN Transparent Transmission, STP (Spanning Tree Protocol)
WAN Protocol	Static IP, DHCP Client
Services	DHCP Server, SNMP Service, NTP Client, Ping Watchdog, System Alerts, mDNS, CDP/LLDP (Cisco Discovery Protocol/Link Layer Discovery Protocol), SSDP (Simple Service Discovery Protocol), GRE Tunnel, PPPoE Intermediate Agent
Management	HTTP GUI, SSH, SNMP read, WNMS, TelGet, Cloud Platform, Remote Logging
Tools	Site Survey, Connection Test, Antenna Alignment, Traceroute
Device Management	Basic Device Information Settings, System Configuration, User Management, LED Settings

ORDER INFORMATION

PART NUMBER	DESCRIPTION
NX-B86M5G-5KM	NODEXON 5KM Medium and Long Distance 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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