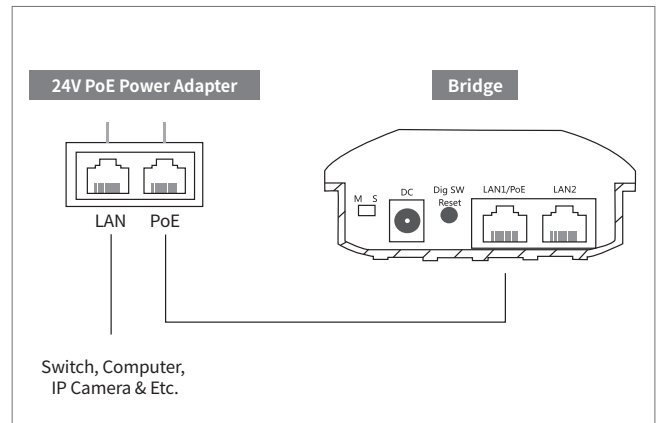# IXWB-450   5G Wireless Bridge

◢ Overview

This product is a 5G wireless bridge and the maximum transmission distance is 2KM at optimal environment conditions.
Compare to wired equipment, it gives you cost-saving effect and supports power supply through PoE which enables simpler and faster installation.

◢ Features

▪ Up to 2km Wireless Data Transmission
▪ 1T1R SISO Support
▪ 5Ghz Frequency Band
▪ Industrial Antenna Mounted
▪ Suitable for Long-Distance Transmission
▪ IP65
▪ Plug and Play, Various Configurations Support

◢ Specification

IXWB-450	
Chipset	MTK7628KN+7610E 450Mbps
Flash Memory	8MB (Up to 16MB Support)
Memory	1MB DDR RAM
Max.Transmission Distance	2KM
Tansmission Specification	1:1, Up to 1:N(1:8) Support
Frequency	5.150~5.825GHz
Wireless Standard	802.11a/n/ac 1T1R SISO
Wireless Transmission Speed	Up to 450 Mbps
Transmission Power	Up to 20dBm
Antenna	14 dBi
TX Power	11a @54M:25±2DB, @6M:27±2DB, 11n @MCS7:23±2DB, @MCS0:25±2DB"
RX Sensitivity	11a: 72dbm@54Mbps, -90dbm@6Mbps 11n: -70dbm@MCS7, -90dbm@MCS0
Wireless Security	WPA/WPA2; WPA-PSK/WPA2-PSK (AES/TKIP)
EVM	802.11n: ≤-28 DB 802.11a: ≤-25 DB
5G Channel	36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 182, 186, 190, 194
LAN Port	2 10/100M adaptive LAN ports, LAN1 support 24V PoE power supply
Switch/Button	[Master ↔ Slave] Dip Switch, Reset Button, Digital Button
LED	Radio Signal Indicator Light LAN Indicator Light Power Indicator Light
Power Consumption	<10W
Power Supply	Passive POE Power 24V 0.5A DC 12V, 1A
Temperature/ Humidity	Operating Temperature: -40°C~55°C Preserve Temperature: -40°C~70°C Operating Humidity: 5%~90%RH non condensation Preserve Humidity: 5%~90%RH non condensing
Dimension	90 x 260 x 40mm
Weight	Net Weight : 0.38 kg Gross Weight : 0.59 kg
Certification	FCC, CE, KC

◢ Connection Diagram

24V PoE Power Adapter   Bridge

LAN   PoE

M S   DC   Dig SW Reset   LAN1/PoE   LAN2

Switch, Computer, IP Camera & Etc.

◢ Dimension

40mm   90mm

260mm