

Product Datasheet

2.4GHz 300Mbps Outdoor Wireless Bridge

(ONV-WQ300M2401)



OVERVIEW

The ONV-WQ300M2401 is an outdoor wireless bridge designed for video surveillance in applications including elevators, tower cranes, residential areas, schools, factories, orchards, farms, and scenic areas. It operates in the 2.4GHz band and can provide a maximum wireless data transmission rate of 300Mbps. It features a built-in 8dBi high-gain directional antenna, resulting in stronger signal penetration and an outdoor point-to-point bridging distance of up to 1000 meters. It can be directly mounted on walls or poles. It can operate in various outdoor environments, including wind, rain, and snow.

FEATURE

- ◇ 2.4GHz: Wireless speed 300Mbps
- ◇ 8dBi high-gain directional antenna

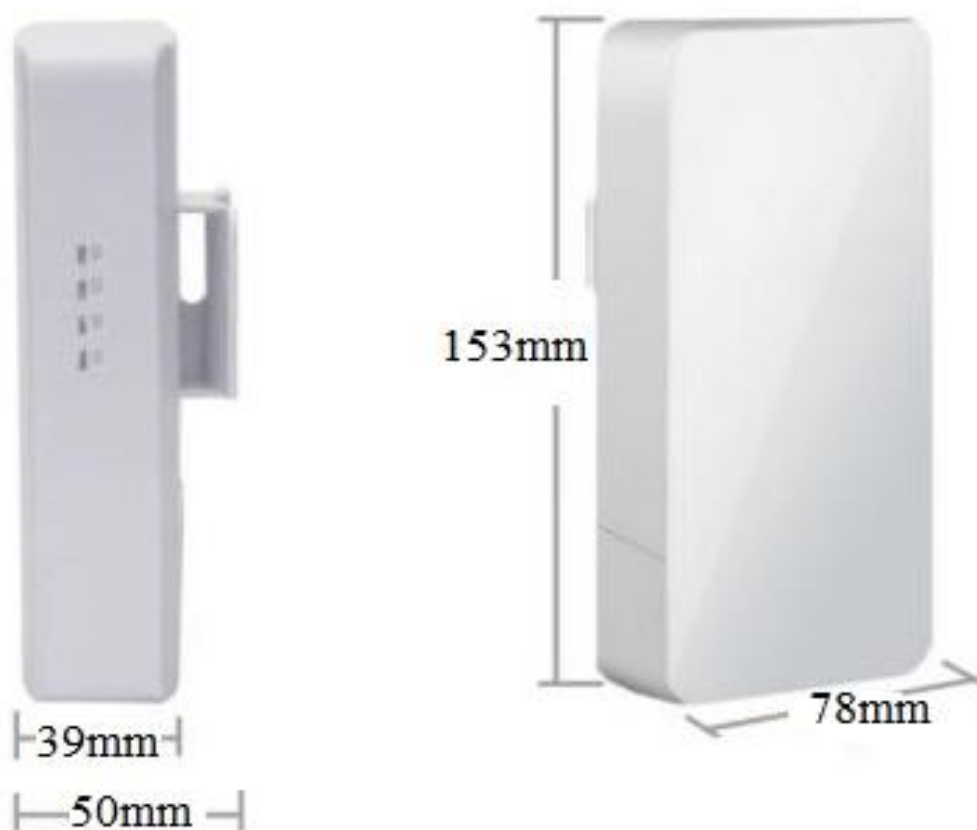
- ◇ IP65 waterproof and dustproof protection
- ◇ Two power supply options available: Ethernet port supports PoE input 24V and DC port supports input 12V.

TECHNICAL SPECIFICATION

Model	ONV-WQ300M2401
Hardware Specification	
CPU	MT7628
Storage	Flash: 2M, DDR: 8M
Wired Standard	IEEE 802.3, IEEE 802.3u
Ethernet Port	2*10/100Mbps LAN ports
Antenna	Built-in directional antenna 8dBi
Button	1*Reset Button
Power Supply Method	PoE 24V or DC 12V
Panel Indicator	4*LED (POWER, LAN, SIG1, SIG2 (signal strength))
Software Specification	
Operating Mode	Main Bridge (AP mode) Subnet Bridge (Client mode) Subnet Bridge (AP+Client mode)
Wireless Settings	Basic settings: wireless name, encryption method, wireless password, wireless mode Advanced settings: BG protection mode, Wi-Fi multimedia (WMM) disabled
Network Settings	LAN Settings, DHCP Server Settings
System Management	Firmware upgrade, language settings, system configuration, administrator settings, automatic system cleanup
Wireless Specification	
Wireless Standard	IEEE 802.11b/g/n

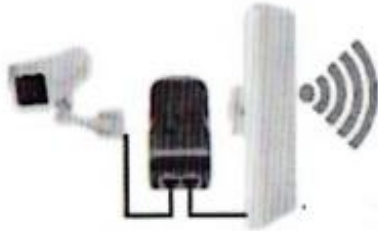
Wireless Rate	300Mbps
Wireless Power	20dBm
Wireless Receiver Sensitivity	-89dBm
Wireless Frequency Bands	2.4GHz
Physical Specification	
Operation Temp/ Humidity	-10~55°C, 10%~90% RH non-condensing
Storage Temp/ Humidity	-40~80°C, 5%~95% RH non-condensing
Net Dimension	153*78*50mm
Net /Gross Weight	0.316kg/ 0.146kg
Installation	Pole-mounted, wall-mounted

DIMENSION



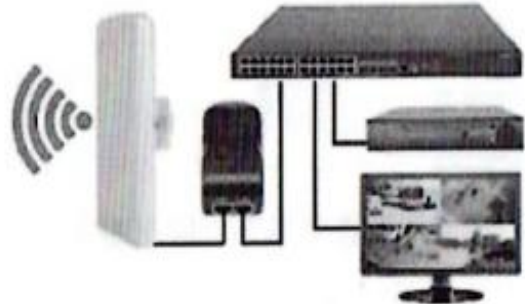
APPLICATION

Point-to-point connection



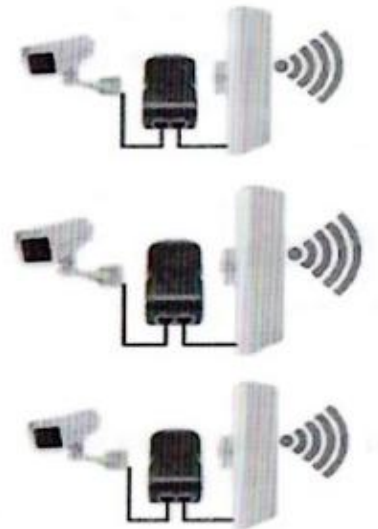
Bridge connects to the POE port of the power supply

Camera connects to the LAN port of the power supply



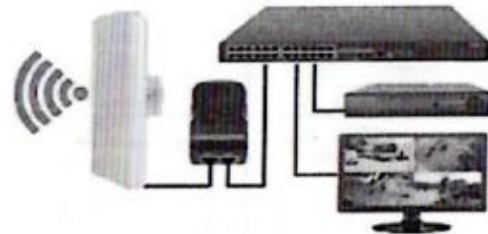
Bridge connects to the POE port of the power supply, the LAN port of the power supply connects to the Switch or NVR

Point-to-multiple connection



Bridge connects to the POE port of the power supply
Camera connects to the LAN port of the power supply

Launch angle 60°



Bridge connects to the POE port of the power supply, the LAN port of the power supply connects to the Switch or NVR

CONTACT US



Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

WeChat: ONV-PoE-IoT



Email: onv@onv.com.cn

Skype: [onv@onv.com.cn](https://www.skype.com/en/contacts/onv@onv.com.cn)

Teams: [onv@onv.com.cn](https://www.microsoft.com/en-us/microsoft-teams/join-onvcomcn)

Website: www.onvcom.com, www.onvswitch.com

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen

Factory Address: Building B3, Galaxy Artificial Intelligence Industrial Park, No. 333,

Zhongkai 6th Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou

