



2.4G 300Mbps 1KM Wireless CPE

- **MT7628KN, 8MB RAM, 1MB Flash**
- **1*10/100Mbps LAN/PoE Port**
- **Support 802.11b/g/n 300Mbps (2.4GHz)**
- **Support Up to 1KM Transmission**
- **Support 24V 0.5A PoE Input and 12V1A DC Input**
- **Built-in High-Gain Directional Antenna (10 dBi)**
- **Support IP65 Rating Protection**
- **Optimized for Point-to-Point Wireless Bridging in Elevator Surveillance Applications.**

CE FC RoHS

Product Introduction

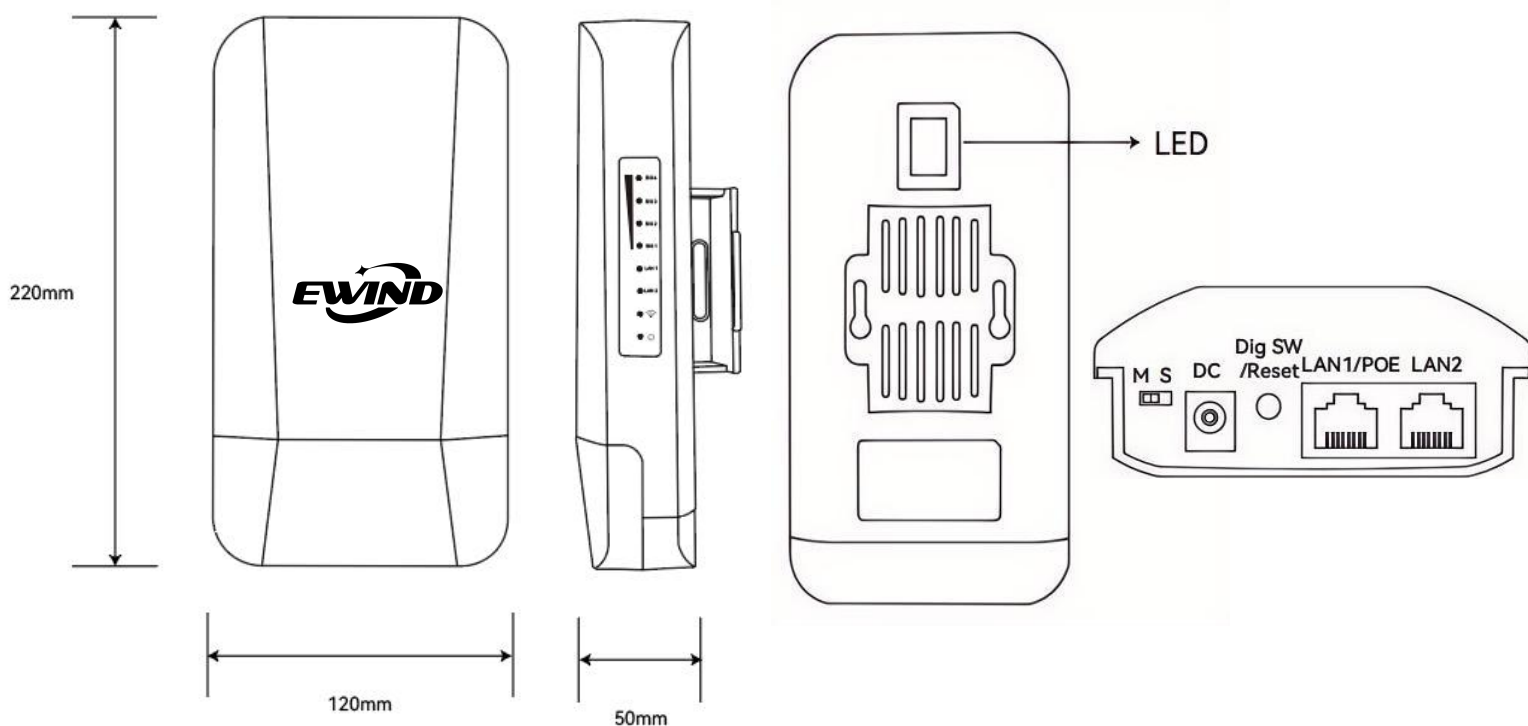
EW-CPE602 is a Industrial-grade outdoor wireless bridge with IP65-rated enclosure, designed for stable operation in harsh environments. It Supports 2.4GHz IEEE 802.11b/g/n wireless transmission with up to 300 Mbps data rate. Built-in high-gain directional antenna (10 dBi) for reliable wireless links up to 1000 meters in open areas. Flexible power options, can support 24V Passive PoE and 12V DC local power input, with PoE transmission distance of up to 70 meters (depending on cable quality. It supports hidden bridge SSID and WPA2 encryption, ensuring secure wireless data transmission. LED status indicators and simple web interface for quick device status monitoring and basic configuration. Easy plug-and-play pairing without PC configuration, supporting PtP connections, Compact design with wall and pole mounting, it is ideal for elevator surveillance and short-range outdoor wireless bridging.

Technical Specification

Model	EW-CPE602
Hardware Configuration	
Main Chip	MT7628KN
CPU Frequency	575MHz
RAM	8MB
Flash	1MB
Wireless Technology	802.11b/g/n 300Mbps MIMO
Network Interface	1×10/100Mbps LAN 1x10/100Mbps PoE/WAN
Antenna	Built-in dual-polarized 10 dBi directional panel antenna Beamwidth H: 90° V: 90°
Power Supply	24V Passive PoE, 0.5A (remote) 12V DC, 1A (positive tip, negative sleeve)
Buttons	Reset / Digital Compound Button Short press: adjust numeric display value Long press (≥5s): restore factory settings
Indicators	PWR: power status WiFi: wireless status LAN1 / LAN2: Ethernet port status SIG1 / SIG2 / SIG3 / SIG4: signal strength Numeric display: shows pairing value or configuration
Operating TEMP/ Humidity	-30°C ~ 55°C; 5%~90% RH (non-condensing)
Storage TEMP / Humidity	-40°C ~ 70°C; 5%~95% RH (non-condensing)
Protection	15KV ESD Protection 6KV Lightning Protection
Dimensions	220*120*50mm
Weight	0.35kg
WiFi Specification	
Frequency Band	2.4GHz: 2.4~2.4835GHz
Channel	1、2、3、4、5、6、7、8、9、10、11、12、13
Modulation	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Transmission Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 300 Mbp

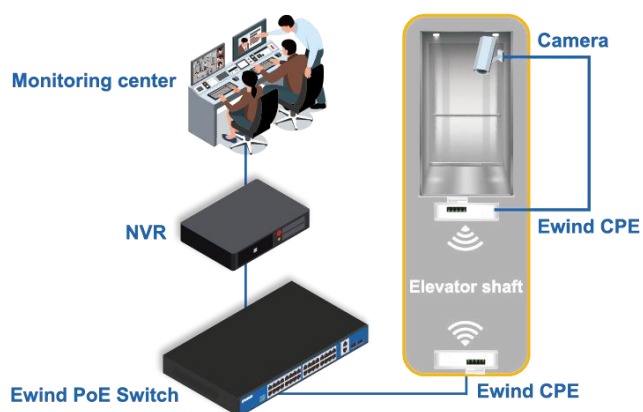
Receiver Sensitivity	802.11b: $\leq -90 \pm 1.5$ dBm @1 Mbps, $\leq -84 \pm 1.5$ dBm @11 Mbps 802.11g: $\leq -86 \pm 1.5$ dBm @6 Mbps, $\leq -69 \pm 1.5$ dBm @54 Mbps 802.11n 20 MHz: $\leq -85 \pm 1.5$ dBm @MCS0, $\leq -67 \pm 1.5$ dBm @MCS7 802.11n 40 MHz: $\leq -82 \pm 1.5$ dBm @MCS0, $\leq -64 \pm 1.5$ dBm @MCS7
Transmit Power	802.11b: $\geq 17 \pm 1.5$ dBm @11 Mbps 802.11g: $\geq 15 \pm 1.5$ dBm @54 Mbps 802.11n: $\geq 14 \pm 1.5$ dBm @MCS7
Operation & Network Specifications	
Operation Mode	Bridge Access Point, Bridge Client
Network Topology	Point-to-Point (PtP)
Management Method	Web-based remote management Watchdog/Self-healing by default One-Key Connection
Status Monitoring	System Status Bridge Status Interface Status
Bridge Configuration	Wireless Mode: Bridge Access Point Bridge Client Bridge Access Point Settings: SSID, Encryption, Bridge Password, Wireless Protocol, Wireless Bandwidth, Wireless Channel, TX Power Bridge Client Settings: SSID, Encryption, Bridge Password, MAC, Wireless Channel, TX Power
Network Settings	IP Address Acquisition: DHCP (Automatic), Static IP Static Settings: IP Address, Subnet Mask, Gateway, DNS1, DNS2
System	System Debug, Change Password, Reboot, Factory Reset, Firmware Upgrade

Outer Case

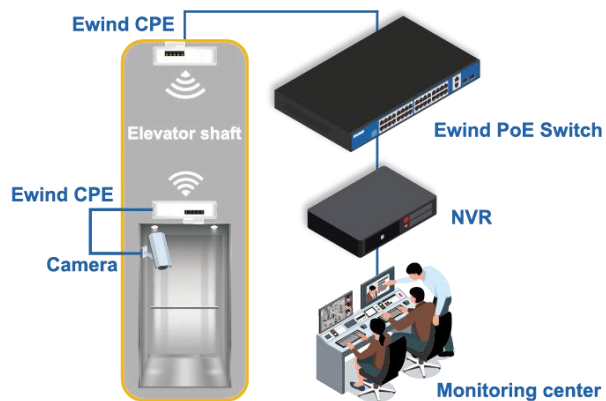


Application

Example A: Lift Car Bottom Mounting



Example B: Lift Car Top Mounting



Packing List

CONTENT	QTY	UNIT
2.4G 300Mbps 1KM Wireless CPE (EW-CPE602)	1	pair
24V PoE power adapter	2	pcs
Plastic Clamps	2	pcs
Ethernet cable	2	pcs
User manual	1	pcs