

Wireless

802.11b Industrial Wireless Outdoor AP/Bridge/Client/Repeater

FWO-713

Overview

The FWO-713 is an IEEE 802.11b compliant Wireless Outdoor Access Point available for Industrial Ethernet applications. With innovation technology design, FWO-713 provides 11Mbps data rate for outdoor environment. It links two or more separate networks to create a single expanded LAN network cost effectively and efficiently. The robust IP-68 housing can withstand harsh outdoor environment, dust, shock & vibration, making it a weatherproof device.

There are four different operation modes: Access Point, Bridge, AP Client and repeater. In addition, the built-in PoE design reduces the cost of power cables installation and provides future proof investment. To secure information, it comes with WEP encryption and WAP function. With of these advanced features, FWO-713 is a powerful Outdoor solution produced for Industrial applications.



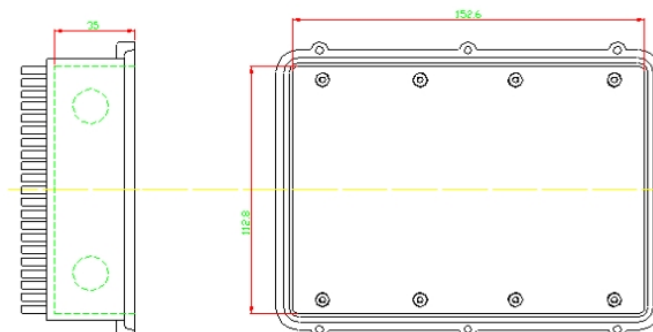
Key Features

● Industrial Conformance

- Wireless LAN IEEE802.11 b compliant
- Compliant with IEEE 802.3 · IEEE 802.3u · IEEE 802.3x · IEEE802.11b
- Robust Weatherproof IP-68 housing protection
- Supports radio modules 2.4~2.497 GHz
- Supports IEEE 802.11b : 1/2/5.5/11Mbps
- Supports point to point and point to multi-point bridging function
- Flexible four operating modes: Access Point, Bridge, AP Client and Repeater
- Strong Network Security with 64/128 bit WEP and WPA encryption
- Supports DFS/TPC (Dynamic Frequency Selection and Transmit Power Control)
- Flexible Software configuration through WEB GUI interface & Remote Telnet for easy management
- Power Over Ethernet Design (12V DC)

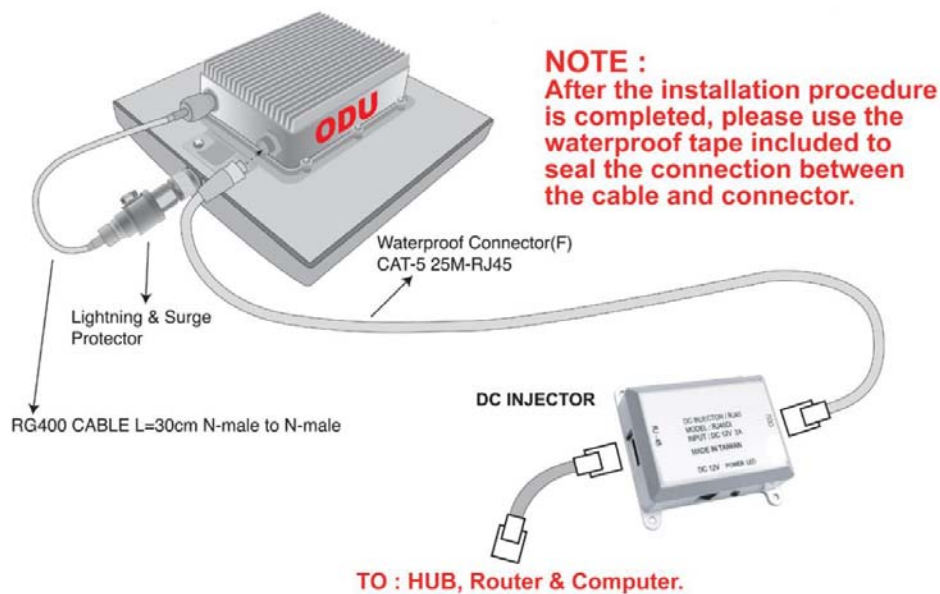
Mechanical Dimension

35 mm



152.6 x 112.8 mm

Hardware Installation



Specifications

Operating Type	AP/AP with Bridge/Wireless Client/Repeater
Standards Compliance	IEEE 802.11 b ; IEEE802.3 ; IEEE802.3u ; IEEE 802.3af
Flash	1 M Byte
SDRAM	4 M Byte
Housing	IP-68 housing protection
Radio Frequency Type	DSSS (Direct Sequence Spread Spectrum)
Modulation	IEEE 802.11b: CCK,DQPSK,DBPSK
Frequency Band	America/FCC: 2.412~2.462 GHz (11 channels) Europe CE/ETSI: 2.412~2.472 GHz (13 channels) Japan: 2.412~2.484 GHz (14 channels) France: 2.457~2.472 GHz (4 channels) Spain: 2.457~2.462 GHz (2 channels)
Transmission Power	802.11b : 23 dBm
Transmission Rate	IEEE 802.11b : 1/2/5.5/11
Access Point Interface	Auto sensing MDI/MDI-X Ethernet 10/100Base-TX:RJ-45
Sensitivity	IEEE 802.11b : -84dBm @ 11 Mbps, PER<8%
Antenna Type	Reverse N-type female ; External high gain antenna (optional)
Security	64 bit/128 bit bit WEP encryption; Wi-Fi protected Access (WPA)
Software	Site Survey DHCP Client Suppressed SSID Wireless access control by MAC address(deny or accept) WPA Support (WPA personal and enterprise) Web-based configuration via popular browser (MS IE, Netscape ...) Windows "Locator" program to help find IP in DHCP client mode Firmware upgrade and configuration backup via Web Reset to default by Web-UI
Power	
Power Requirements	DC 12 Volt \pm 5%; 2A (Max.); AC adapter AC 100V ~ 240V
Output Power	200 mw

Specifications

Physical

Case	Aluminum case with IP-68 housing protection
Accessories	Cables + Bracket + DC injector + PoE adapter



Dimension	152.6 x 112.8 x 35 mm
Weight	1.8 kg

Environmental

Operation Temp	-30 to 70 deg C
Storage Temp	-40 to 80 deg C
Humidity	5~95%, non-condensing

Regulatory Approval

- WI-FI Compliant
- CE
- FCC

Ordering Information

FWO-713 : 802.11b Industrial Wireless Outdoor AP/Bridge/Client/Repeater