IGAP-840D

Industrial WIFI 5 Access Point with 4x10/100/1000Base-T(X)

Features

- Provide 4 port 10/100/1000Base-T(X) port with RJ45 connector
- Highly Security Capability: WPA/WPA-PSK(TKIP,AES)/ WPA2/WPA2-PSK(TKIP,AES)/802.1X Authentication supported
- **High Speed Air Connectivity: DBDC Dual Band concurrently in WIFI5**
- WLAN interface and support up to 867Mbps link speed
- Support X-Roaming < 100 ms
- Support Multiple-SSID to 4 SSID with VLAN
- Support MAC Filter
- Secured Management by HTTPS
- High data throughput with HT40 2x2 MIMO
- Support Long Distance Air Connectivity
- Support AP/Client/Repeater
- Versatile modes & event alarm by e-mail
- 12 ~ 48Vdc dual power input
- Wireless connecting status monitoring
- Provide 2 Digital Input and 2 Digital Output
- Rigid IP-30 housing design
- DIN-Rail and Wall-mount enabled





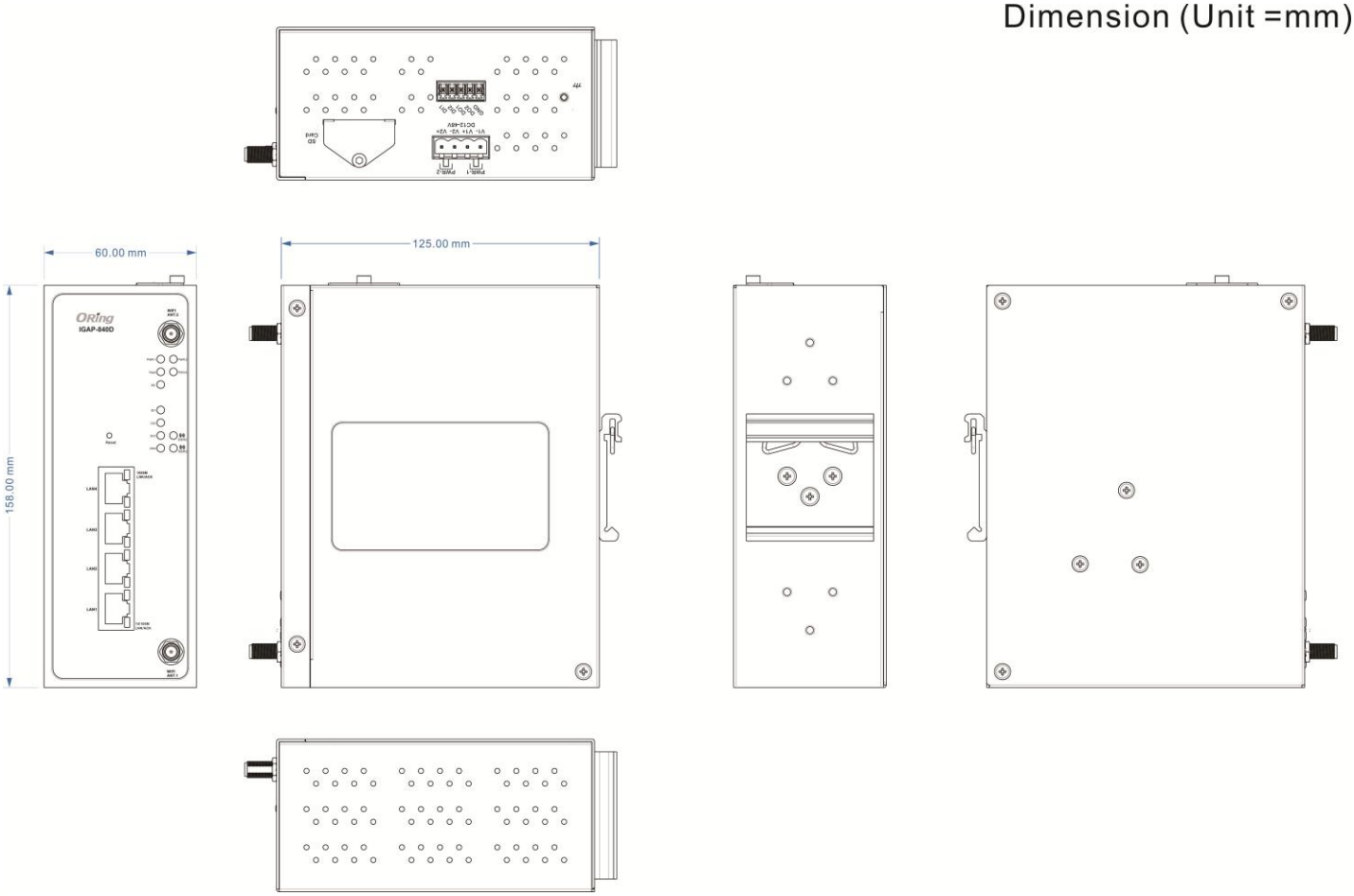
Introduction

IGAP-840D is a reliable WLAN Access Point with 4 Ethernet Gigabit ports and WIFI5 wireless module. It can be configured to operate in AP/Client/Repeater mode. You are able to configure IGAP-840D by WEB interface via LAN port or WLAN interface. IGAP-840D provides Ethernet ports in switch mode to reduce the usage of Ethernet switch ports. Therefore, IGAP-840D series is one of the best communication solutions for wireless applications on the industrial network.

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Dimension

Dimension (Unit =mm)



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Specifications

ORing AP Model	IGAP-840D
Physical Ports	
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX	**4 LAN**
5-Pin Terminal Block	**DI x 2** and **DO x 2 :** Dry Contact: On: short to GND, Off: open Wet Contact (DI to COM/GND): On: 0 to 3VDC, Off: 10 to 30VDC
WLAN interface	
Antenna Connector	2 x Reverse SMA Female
Modulation	802.11a: OFDM 802.11b: CCK, DQPSK, DBPSK 802.11g: OFDM 802.11n: BPSK, QPSK, 16-QAM, 64-QAM 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
Frequency Band	America / FCC: 2.412~2.462 GHz (11 channels) 5.180~5.240 GHz & 5.745~5.825 GHz (9 channels) Europe CE / ETSI: 2.412~2.472 GHz (13 channels) 5.180~5.240 GHz (4 channels)
Transmission Rate	802.11b: 1/2/5.5/11 Mbps 802.11a/g: 6/9/12/18/24/36/48/54 Mbps 802.11n: UP to 300 Mbps 802.11ac: up to 867Mbps
Transmit Power	IEEE 802.11a: 21dBm ± 2dBm@54Mbps IEEE 802.11b: 23dBm ± 2dBm@11Mbps IEEE 802.11g: 20dBm ± 2dBm@54Mbps IEEE 802.11gn HT20: 18dBm ± 2dBm @MCS7 IEEE 802.11gn HT40: 18dBm ± 2dBm @MCS7 IEEE 802.11an HT20: 20dBm ± 2dBm @MCS7 IEEE 802.11an HT40: 20dBm ± 2dBm @MCS7 IEEE 802.11ac VHT80: 20dBm ± 2dBm @MCS9
Receiver Sensitivity	IEEE 802.11a : -75dBm ± 2dBm@54Mbps IEEE 802.11b : -90dBm ± 2dBm@11Mbps IEEE 802.11g : -75dBm ± 2dBm@54Mbps IEEE 802.11gn HT20:-72dBm ± 2dBm@MCS7 IEEE 802.11gn HT40:-70dBm ± 2dBm@MCS7 IEEE 802.11an HT20:-72dBm ± 2dBm@MCS7 IEEE 802.11an HT40:-69dBm ± 2dBm@MCS7 IEEE 802.11ac VHT80:-60dBm ± 2dBm@MCS9
Encryption Security	WEP: (64-bit ,128-bit key supported) WPA/WPA2 :802.11i(WEP and AES encryption) WPA-PSK (256-bit key pre-shared key supported) 802.1X Authentication supported TKIP encryption
Wireless Security	SSID broadcast disable
LED indicators	
Power indicator	2 x LEDs, PWR1(2) / Ready: Green On : Power is on and functioning Normal
Fault	Green On : When fault event occurs
Status	Green On: System Ready
SD	Green On: Working
DI/O LEDs	4 x LEDs Green Solid On: High, Off:Low
2.4GHz LED	Green On : Working; Off:RF disable
5GHz LED	Green On : Working; Off:RF disable

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Power	
Redundant Input power	Dual DC inputs. 12-48VDC on 4-pin terminal block
Power consumption	13w
Overload current protection	Present
Reverse polarity protection	Present
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	60(W) x 125(D) x 158(H) mm
Weight (g)	1000g
Environmental	
Storage Temperature	-40 to 85oC (-40 to 185°F)
Operating Temperature	-10 to 70°C (14 to 158°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-31
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	5 years

Ordering Information

	ModelName	Description
Available Model	**IGAP-840D_EU**	Industrial WIFI 5 Access Point with 4x10/100/1000Base-T(X), EU band
	IGAP-840D_US	Industrial WIFI 5 Access Point with 4x10/100/1000Base-T(X), US band

Packing List

- **IGAP-840D x 1**
- **Wall-Mount Kit x 2**
- **CD QRcode x 1**
- **WIFI Antenna x 2**
- **Quick Installation Guide x 1**
- **4pin Terminal Block x 1**
- **5pin Terminal Block x 1**

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