



IOP760

Ethernet/UART to Wi-Fi Converter

Features

- Wi-Fi Uplink or Ethernet WAN connection.
- One RS-232/485 for Modbus RTU connection.
- IEEE 802.11 a/b/g/n/ac Wi-Fi compliance.
- Support Wi-Fi dual bands 2.4/5 GHz
- Two LAN ports for linking local Ethernet devices.
- One DI/One DO for device triggering or event reporting
- Designed by solid and easy-to-mount metal body



Introduction

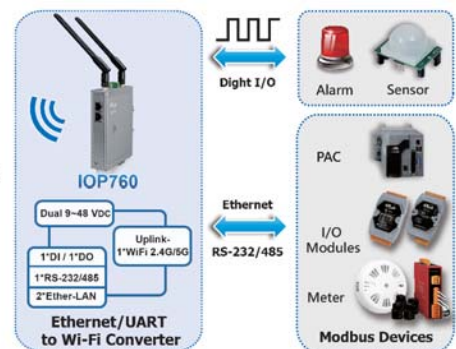
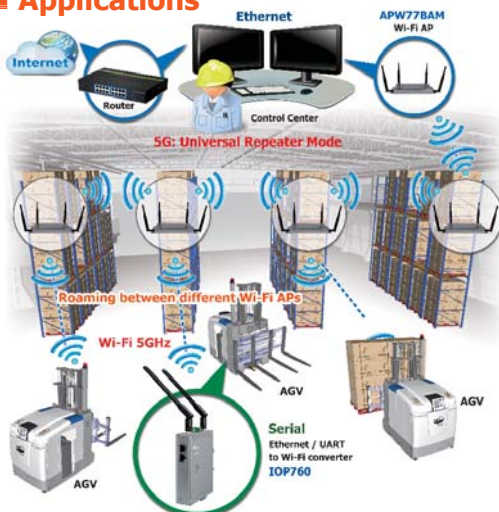
IOP760 is a wireless converter. The data can be exchanged via the three different interfaces Wi-Fi, Ethernet and UART. The Wi-Fi interface supports IEEE 802.11 a/b/g/n/ac standard. Users can select IEEE 802.11 b/g/n for 2.4GHz connections or select IEEE 802.11 a/n/ac for 5GHz connections. When the Wi-Fi strength is lower than the threshold setting, IOP760 can connect to another stronger one via the roaming function. The IOP760 has two Ethernet interfaces that can connect to two Ethernet devices. All the Ethernet devices exchange data via the IOP760. In the UART communication, data can be sent directly or formed by Modbus protocol.

System Specifications

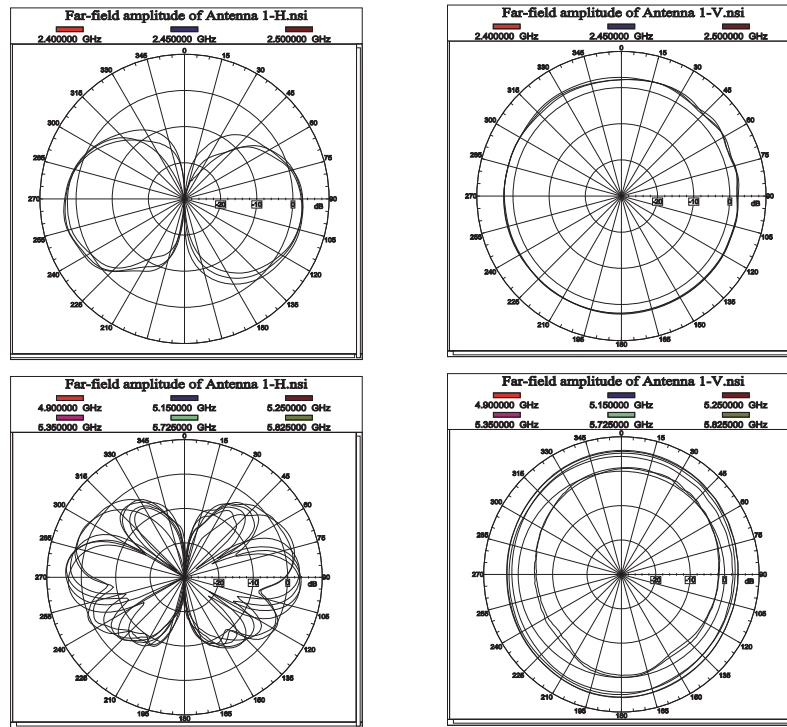
| Model | IOP760 |
|-----------------------------|--|
| Wi-Fi | |
| Transmission Distance (LoS) | 50 meters (LOS) |
| Standard | IEEE 802.11a/b/g/n/ac |
| Encryption | WEP / WPA / WPA2 / WPA-PSK / WPA2-PSK |
| Data Transmission Rate | 2.4 GHz:300 Mbps(MIMO 2T2R) 5 GHz:866 Mbps(MIMO 2T2R) |
| Client | Max. 10 Clients (AP mode) |
| Channels | 2.4 GHz:1~11 5 GHz:36/40/44/48;149/153/157/161/165 |
| Antenna | 5 dBi 2.4/5 GHz |
| Digital Input | |
| Channels | 1 |
| Type | Wet Contact |
| ON Voltage Level | 3.3 ~ 30 VDC |
| OFF Voltage Level | 3 VDC Max. |
| Relay Output | |
| Channels | 1 |
| Contact Rating | 30V / 1A |

| Model | IOP760 |
|------------------------|---|
| COM Ports | |
| Ports | 1 x RJ12(RS-232/RS-485) |
| Baud Rate | RS-232: 9600 / 19200 / 38400 / 57600 / 115200 RS-485: 9600 / 19200 / 38400 / 57600 / 115200 / 230400 / 460800 |
| Data Bit | 8/7 |
| Ethernet | |
| Ports | 2 x RJ45 FE |
| Power | |
| Input Range | +9~ 48 VDC |
| Mechanical | |
| Dimensions (W x L x H) | 31 x 99 x 131 (W x L x H)(without Mounting kit) 31 x 108 x 131 (W x L x H)(with DIN Rail kit) 167 x 99 x 39 (W x L x H)(with Bracket kit) |
| Installation | DIN-Rail Bracket |
| Environment | |
| Operating Temperature | -20 °C ~ 60 °C |
| Storage Temperature | -40 °C ~ 85 °C |
| Humidity | 10% ~ 95% (non-condensing) |

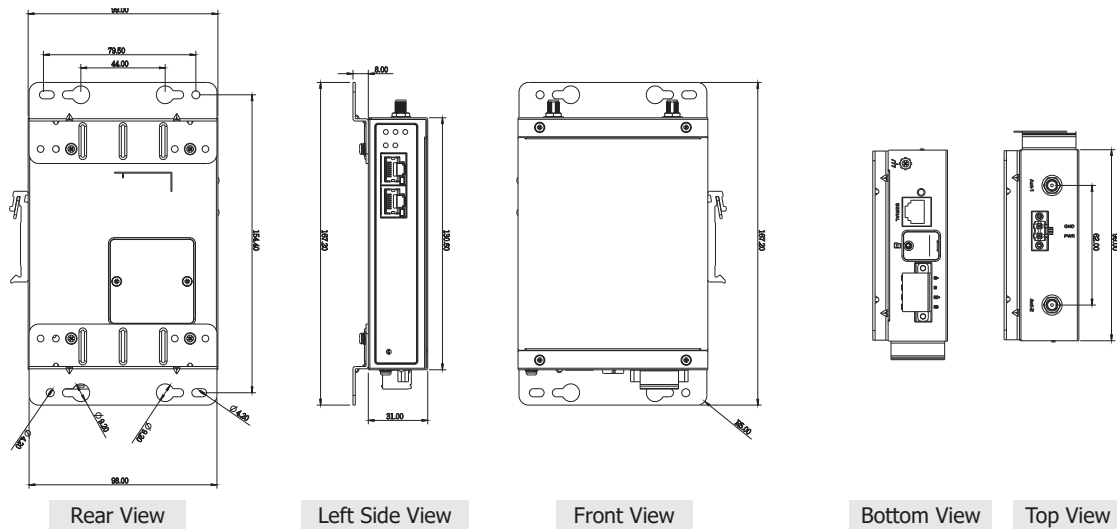
Applications



Antenna Field







Dimensions (Units: mm)



Ordering Information

| | |
|------------------|--|
| IOP760 CR | Ethernet/UART to Wi-Fi Converter (RoHS)(Asia Only) |
|------------------|--|

Accessories

| | | |
|----------------|---|---|
| 3S001-1 |  | RG58A/U 1 Meter Long RP-SMA male to RP-SMA Female |
| 3S003-1 |  | RG58A/U 3 Meter Long RP-SMA male to RP-SMA Female |
| 3S005-1 |  | RG58A/U 5 Meter Long RP-SMA male to RP-SMA Female |
| 3S008-1 |  | RG58A/U 8 Meter Long RP-SMA male to RP-SMA Female |