IMG-W1321+

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M2M Gateway

❯❯ *Industrial 802.11 b/g 3.5G VPN Router with 1 Ports RS-232/422/485 Gateway*

Features

- Provide 1 x 10 / 100 Base –T(X) port and SIM card slot
- 3.5G HSUDPA modem included
- Support Open VPN, PPTP VPN
- High Speed Air Connectivity: WLAN interface support up to 54Mbps link speed
- Highly Security Capability: WEP/WPA/WPA-PSK(TKIP,AES)/ WPA2 / WPA2-PSK (TKIP, AES) / 802.1x / Radius supported
- Versatile modes & event alarm by e-mail.
- Event warning by Syslog, Email, SNMP Trap, Relay output
- Redundant multiple host devices:

  5 host devices: Virtual COM, TCP Server, TCP Client mode;

  UDP
- 12~48VDC power input on M12 connector.
- IP-67 grade waterproof casing

RoHS Lead Free CE FC

Introduction

IMG-W1321+ is an innovative 1 port RS232/422/485 and IEEE802.11 b/g WLAN Access Point VPN gateway with 1 port 10/100Base-T(X) ports. It could be configured to connect to the internet by dialing up 3.5G cellular modem to fulfill demands of various applications rapidly and construct the WLAN environment. In addition, IMG-W1321+ can also transfer SSL encryption data into 5 host PCs simultaneously for backup purposes. Therefore, IMG-W1321+ is one of the best solutions for applications of wireless and serial communication.

Application

IMG-W1321+, it support 3.5G HSUPA Modem dial up. The utility-DS-tool which is used to manage and monitor all of the serial ports on IMG-W1321+3
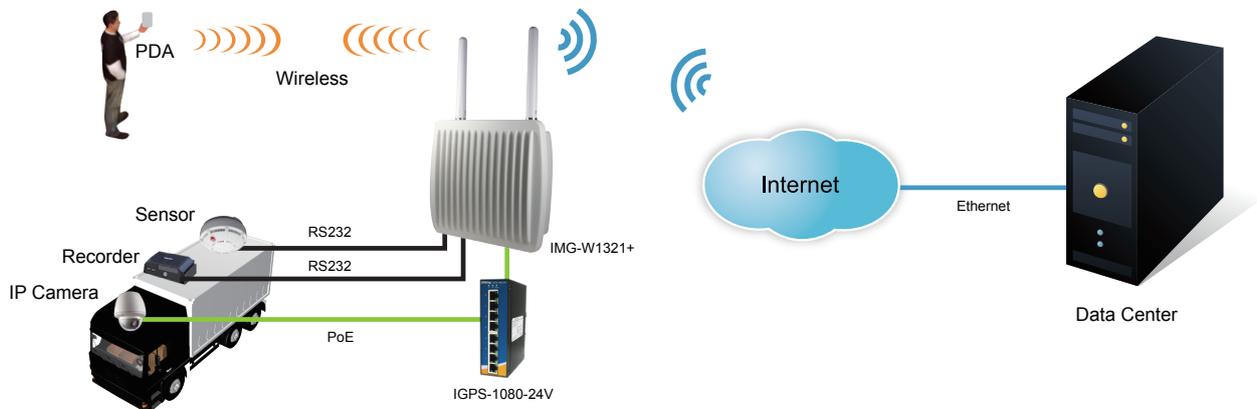
M2M Gateway Connection
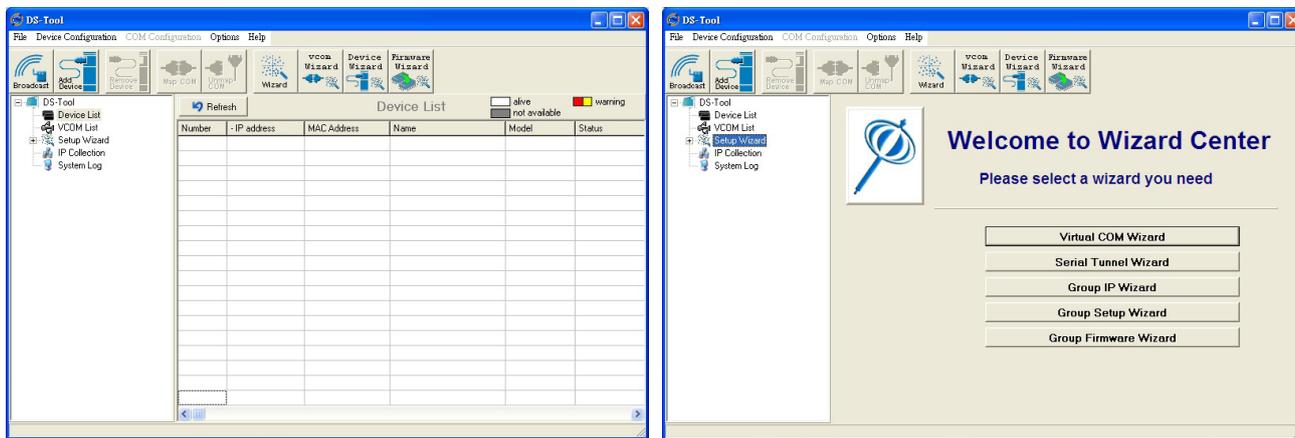
Monitoring and Configuration interface

Dimensions

20.5

16.5

250.0

220.0

37.0

22.7

87.5

(Unit=mm)

Industrial
Ethernet Switch

Industrial
Media Converter

Industrial
Device Server

Industrial Wireless
Access Point

Industrial Cellular
VPN Router

Accessories

Network
Management Software
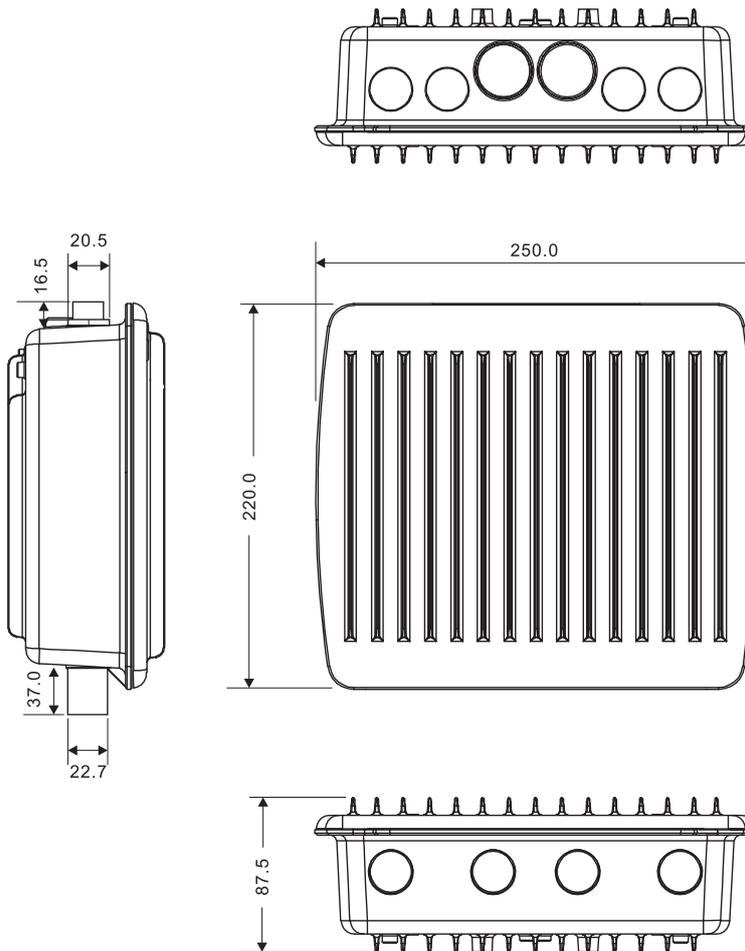
Specifications

ORing M2M Model	IMG-W1321+
Physical Ports	
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE P.D.	1 (4-pin M12 D-coding connector)
P.o.E P.D Port	Fully Compliant with IEEE 802.3af Power Device specification Overload and short circuit protection Isolation Voltage: 1000 VDC min Isolation Resistance: 108 ohms min
WLAN Feature	
WAN Connection Type	3.5G modem dial up
Antenna Connector	N-type Female
Antenna	Dual Band Wifi ANT x1, GSM/DCS/UMT 3G antenna x1
Radio Frequency Type	DSSS
Modulation	IEEE802.11b: CCK, DQPSK, DBPSK IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band	America/FCC: 2.412~2.462 GHz (11 channels) Europe CE/ETSI: 2.412~2.472 GHz (13 channels)
Transmission Rate	IEEE802.11b: 1/ 2/ 5.5/ 11 Mbps IEEE802.11g: 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54 Mbps
Transmit Power	IEEE802.11b/g: 18dBm
Receiver Sensitivity	-81dBm @ 11Mbps, PER< 8% -64dBm @ 54Mbps, PER< 10%
Encryption Security	WEP: (64-bit ,128-bit key supported) WPA: WPA2 : 802.11i(WEP and AES encryption) WPAPSK (256-bit key pre-shared key supported) 802.1X and Radius supported TKIP encryption
Wireless Security	SSID broadcast disable
Serial Ports	
Connector	2 (8-pin M12 A-coding connector)
Operation Mode	RS-232/RS-422/RS-485(2W/4W)
Serial Baud Rate	110 bps to 115.2 Kbps
Data Bits	5, 6, 7, 8
Parity	odd, even, none, mark, space
Stop Bits	1, 1.5, 2
Serial signals	RS-232 : TxD, RxD, DCD, RTS, CTS, DSR, DTR, GND RS-422 : TX+, TX-, RX+, RX-, GND RS-485 (2W): D+, D-, GND RS-485 (4W): TX+, TX-, RX+, RX-, GND
LED Indicators	
Power Indicator	Green On: Power is on and functioning Normally.
10/100TX RJ45 port indicator	Green for port Link/Act.
WLAN indicator	WLAN Link /ACT: Green: Link
Power	
Power Input	12-48VDC on 5-pin M12(A-coding) connector
Power consumption (Typ.)	6 Watts
Overload current protection	Present
Reverse polarity protection	Present on 5-pin M12(A-coding) connector
Physical Characteristics	
Enclosure	IP-67
Dimensions (W x D x H)	257 (W) x 91 (D) x x227 (H) (8.5 x 3.0 x7.5 inch)

Weight (g)	2450 g
Environmental	
Storage Temperature	–40 to 85℃ (-40 to 185℉)
Operating Temperature	–20 to 70℃ (-40 to 158℉)
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	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	5years

Ordering Information

IMG-W A B C D +

Code Definition	WLAN Identification	Serial Port Type	Serial Port Number	Ethernet Port Number
Option	**- 1:** IEEE802.11 b/g mode	**-1**: RS-232 only **-2**: RS-422/485 only **-3**: Support RS-232/422/485	**-2**: 2 port	**-1**: 1 port

Available Model	Model Name	Description
	IMG-W1321+	Industrial 802.11 b/g 3.5G VPN Router with 2 Ports RS-232/422/485 Gateway, M12 connector, IP-67 grade

Packing List
- IMG-W1321+
- ORing Tool CD
- Quick Installation Guide

Optional Accessories (Can be purchased separately)

Industrial Ethernet Switch

Industrial Media Converter

Industrial Device Server

Industrial Wireless Access Point

Industrial Cellular VPN Router

Accessories

Network Management Software