IDS-5611-WG

Industrial security1-port RS232/422/485 to 802.11 b/g WLAN and 1-port 10/100TX Device Server

Highlights

・Data Security: SSL encryption

・Internet Community: PPPoE

・DNS Hostname: DDNS

・High Speed Air Connectivity: WLAN interface support up to 54Mbps link speed

・Highly Security Capability: WEP/WPA/WPA2/802.1X/TKIP supported

・NAT-pass through: User can manage IDS-5611-WG through NAT router

・Redundant Power Inputs: 12~48VDC on power jack and terminal block

・Redundant multiple host devices: 5 simultaneous in Virtual COM, TCP Server, TCP Client mode, UDP

・Secured Management by HTTPS and SSH

・Management by Console

・Versatile Modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP

・Event Warning by Syslog, Email, SNMP trap, and Beeper

・Various Windows O.S. supported: Windows NT/2000/ XP/ 2003/ VISTA 32 bits

Features

・High Speed with a maximum link speed of 54Mbps With IEEE802.11b/g dual mode capability

・High Security Capability with WEP, WPA, WPA2, and TKIP

・Redundant 5 multiple host devices supported to protect your industrial network

・Versatile modes & event alarm by e-mail

・HTTPs & SSH protocol supported for secured management

・NAT router pass through

・Console command control

・SSL encryption for Security data transfer

・PPPoE for internet community

・DDNS for domain name service

・IP table to prevent access from unauthorized IP address

・Configurable by Web-based and Windows utility (DS-Tool)

・Dual redundant DC power inputs of terminal block and power jack

・Rigid IP-30 housing design

・DIN-Rail and panel mounting enabled

Introduction

IDS-5611-WG is an innovative 1 port RS232/422/485 to 802.11b/g WLAN and 1 port LAN security device server. Users are able to configure IDS-5611-WG by IDS-Tool via LAN port or WLAN interface, but not simultaneously. Once LAN port is activated, WLAN interface will enter standby mode to minimize power consumption. Secondly, IDS-5611-WG can simultaneously transfer SSL encryption data into 5 host PCs. This feature can assure all critical data that saved in different host PCs to avoid Ethernet break or host PCs failure. Thirdly, IDS-5611-WG provides dual redundant power inputs both on DC power jack and terminal block. IDS-5611-WG also provides NAT pass through function so that users are able to manage IDS-5611-WG inside or outside NAT router. It is easy for different IP domain users to use the Switch. Therefore, IDS-5611-WG is one of the best security communication solutions for wireless application of serial devices.
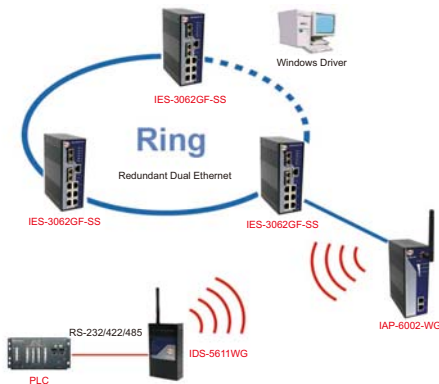
DS-Tool

In practical operation of serial device servers, Windows utility (DS-Tool) is supported. This utility is very helpful for you to manage and monitor all of industrial device servers on the industrial network.
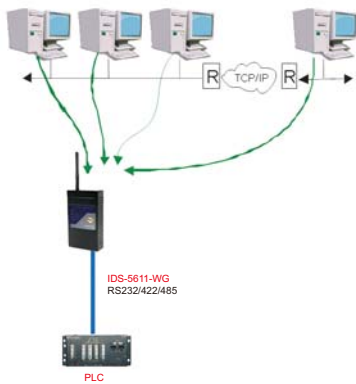
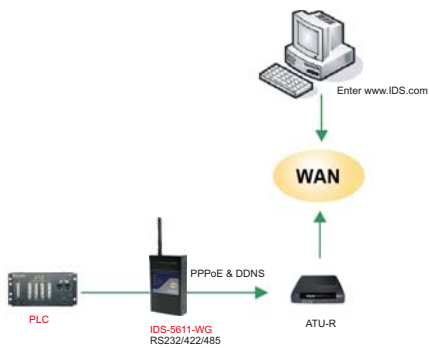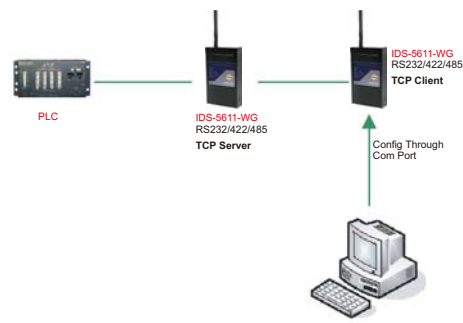Redundancy 5 Host Devices
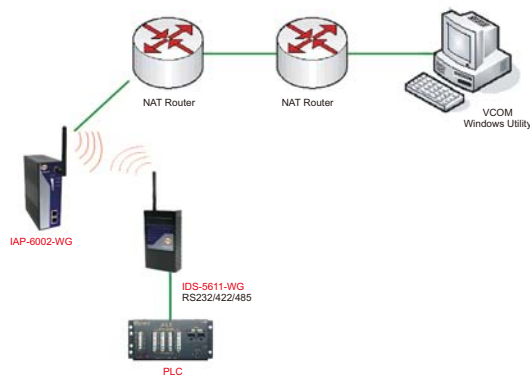
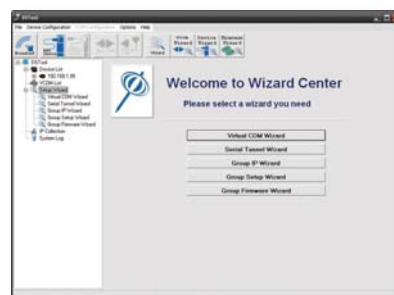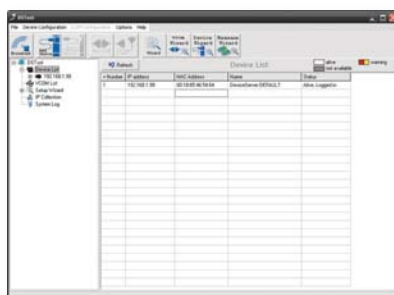NAT Router Pass Through

Wireless LAN Client Mode

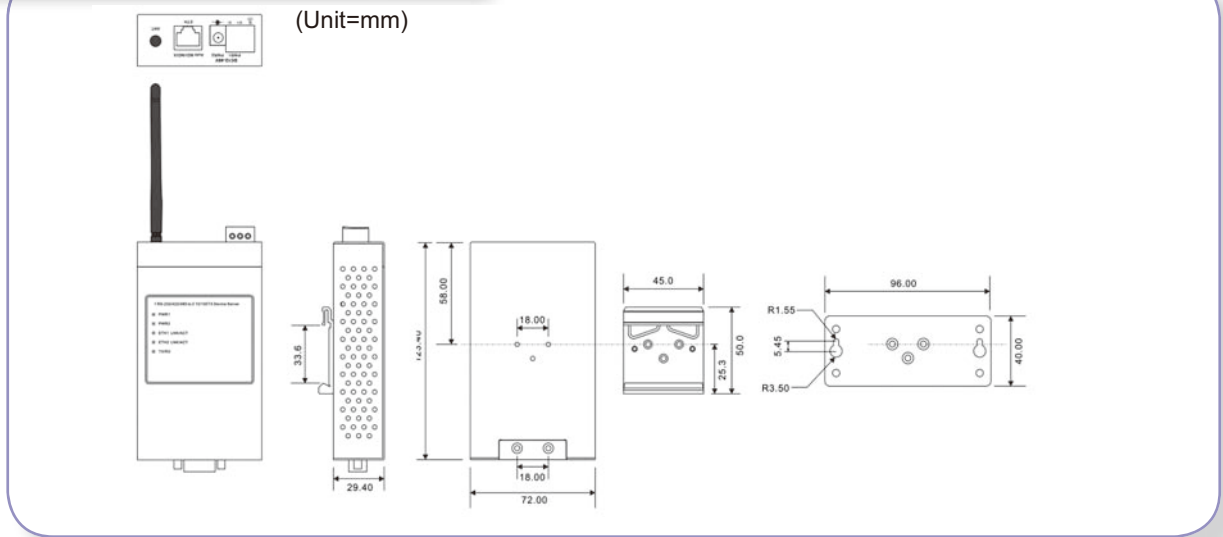SSL Data Encryption

Connect through PPPoE / DDNS

COM Port Command

Monitoring and Configuration interface

Dimension

(Unit=mm)

Specifications

ORing Device Server Model	IDS-5611-WG
Physical Ports	
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	1
WLAN Feature	
WLAN Standard	IEEE 802.11b/g
Operating Mode	Client mode
Antenna Connector	Reverse SMA
Radio Frequency Type	DSSS
Modulation	IEEE802.11b: CCK, DQPSK, DBPSK IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency	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: 16dBm
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) PSK (256-bit key pre-shared key supported) TKIP encryption
Serial Ports	
Connector	DB9 x 1
Operation Mode	RS232 / RS422 / 4(2)-Wire RS485. Which can be configured by DS-Tool
Serial Baud Rate	110 bps to 230.4 Kbps
Data Bits	5, 6, 7, 8
Parity	odd, even, none, mark, space
Stop Bits	1, 1.5, 2
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
RS-422	Tx+,Tx-, Rx+, Rx-,GND
RS-485 (4-wire)	Tx+,Tx-, Rx+, Rx-,GND

RS-485 (2-wire)	Data+, Data-,GND
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
LED indicators	

Power indicator	PWR 1(2) / Ready:
	    Red On: Power is on and booting up.
	    Red Blinking: Indicates an IP conflict, or DHCP or BOOTP server did not respond properly.
	    Green On: Power is on and functioning Normally.
	    Green Blinking: Located by Administrator.

10/100TX RJ45 port indicator	Green for port Link/Act at 100Mbps. Yellow for port Link/Act at 10Mbps.
WLAN indicator	WLAN Link /ACT: Green
Serial TX / RX LEDs:	Red: Serial port is receiving data Green: Serial port is transmitting data
Power	
Redundant Input power	Dual DC inputs. 12-48VDC on 3-pin terminal block and power jack
Power consumption (Typ.)	5 Watts
Overload current protection	Present
Reverse polarity protection	Present on terminal block
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	72(W)x100(D)x31(H) mm (2.83x3.94x1.22 inch.)
Weight (g)	346 g
Environmental	
Storage Temperature	-40 to 85°C(-40 to 185°F)
Operating Temperature	-10 to 55°C (14 to 131°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	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950
Warranty	3 years

Ordering Information

IDS-56 A B - CC

Code Definition	Serial Port Number	Ethernet Port Number	WLAN Identification
Option	**- 1: 1 ports**	**- 1: 1** port	**- WG:** IEEE802.11 b/g mode

	Model Name	Description
Available Model	IDS-5611-WG	Industrial security 1-port RS232/422/485 to 802.11 b/g WLAN and 1-port LAN Device Server