

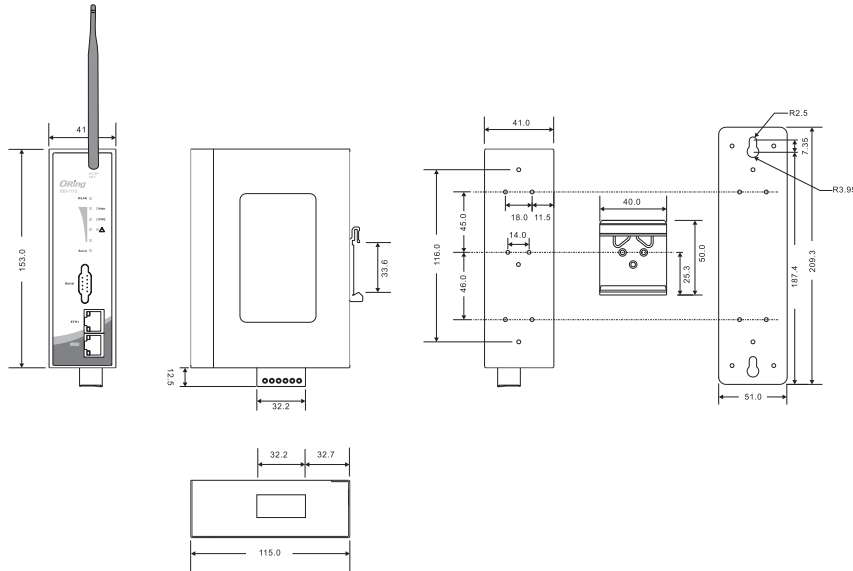
► Industrial 1 secure serial port to 802.11b/g wireless device server with 1xRS232 and 1x10/100 Base-T(X)

Features

- High Speed Air Connectivity: WLAN interface support up to 54Mbps link speed
- Operating Modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Redundant multiple host devices:
 - 5 host devices: Virtual COM, TCP Server, TCP Client mode;
 - 4 IP ranges: UDP
- NAT-pass through: user can manage IDS-1112 through NAT router
- High Security Capability: SSL data encryption; secured management by HTTPS and SSH: IP Access: IP White List; wireless: WEP/WPA/WPA2/802.1X/TKIP
- Internet Communication: PPPoE
- Update DNS Hostname: DDNS
- Event Warning by Syslog, Email, SNMP trap, and Beeper
- Configurable by Web-based and Windows utility (DS-Tool)
- Various Windows O.S. supported:
Windows NT/2000/ XP/ 2003/VISTA(32/64bit)/Windows 7(32/64bit)



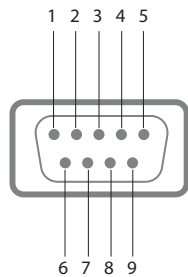
Dimensions



Unit=mm

Wireless Serial Device Server

Pin Definitions



DB9(male) connector

Pin #	RS-232
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI
RS-232 mode act as DTE	

Specifications

ORing Device Server Model	IDS-1112
Physical Ports	
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	1
WLAN Feature	
WLAN Standard	IEEE802.11b/g
Operating Mode	Client mode
Antenna and Connector	Reverse SMA
Radio Frequency Type	DSSS, OFDM
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 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) WAP-PSK (256-bit key pre-shared key supported) 802.1X Authentication supported TKIP encryption
Serial Ports	
Connector	DB9(male) x 1
Operation Mode	RS-232
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
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
Network Features	
Protocol	ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, DDNS, PPPoE
LED Indicators	

Wireless Serial Device Server

Power Indicator	PWR 1(2) / Ready : Red On: Power is on and booting up. Green On: Power is on and functioning Normally. Green Blinking: Located by Administrator.
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.
WLAN Indicator	Green for WLAN Link /ACTWLAN Link /ACT: Green: WLAN Strength: 1<25% , 2<50% , 3<75% , 4<100%
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.)	5.3 watts
Overload Current Protection	Present
Reverse Polarity Protection	Present on terminal block
Physical Characteristics	
Enclosure	IP-40
Dimensions (W x D x H)	40 (W)x 115 (D)x153 (H) mm (1.61 x4.52x6.06 inch.)
Weight (g)	551 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-10 to 60°C (14 to 140°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	EN60950-1
Warranty	5 years

Ordering Information

IDS-**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	- 1 : 1 port	- 2 : 2 port

Available Model	Model Name	Description
	IDS-1112	Industrial 1-port secure serial to IEEE 802.11 b/g wireless device server with 1xRS-232 and 1x10/100Base-T(X)
Packing List		Optional Accessories (Can be purchased separately)
<ul style="list-style-type: none"> IDS-1112 DIN-Rail Kit Wall-mount Kit 2dBi Antenna ORing Tool CD Quick Installation Guide 		<ul style="list-style-type: none"> DR-45 series, 45W DIN-Rail power supply DR-75 series, 75W DIN-Rail power supply DR-120 series, 120W DIN-Rail power supply PAA-121000, 12VDC/1000mA 12W Power Adapter, US plug • SDR-480-48, 480W DIN-Rail power supply PAE-121000, 12VDC/1000mA 12W Power Adapter, EU plug • PAE-121000, 12VDC/1000mA 12W Power Adapter, EU plug RF-Antenna Base RF-Cable RF Surge Protector Series