IDS-5011

>> Industrial 1-port RS232 to 1-port 10/100Base-T(X) Device Server

- Redundant multiple host devices: 5 simultaneous in Virtual COM, TCP Server, TCP Client mode, UDP
- NAT-pass through: User can manage IDS-5011 through NAT router
- Redundant Power Inputs: 12~48VDC on power jack and terminal block
- Secured Management by HTTPS and SSH
- Versatile Modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Event Warning by Syslog, Email, SNMP trap, and Beeper
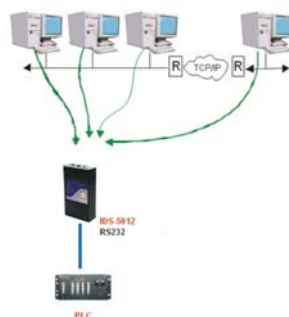- Various Windows O.S. supported: Windows NT/2000/ XP/ 2003/VISTA

> Features

- 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
- 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
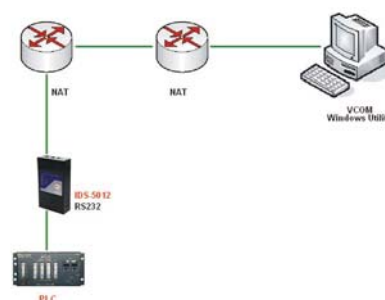- DIN-Rail and panel mounting enabled

> Introduction

IDS-5011 is an innovative 1 port RS232 to 1 port LAN device server. To assure the agility and security of critical data, IDS-5011 offers many powerful features for HW & SW redundant functions. IDS-5011 can simultaneously transfer 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. Secondly, IDS-5011 provides dual redundant power inputs on DC power jack and terminal block. IDS-5011 also provides NAT pass through function so that users are able to manage IDS-5011 inside or outside the NAT router. It is easy for different IP domain users to use IDS-5011. Therefore, IDS-5011 is one of the best communication redundant solutions for application of serial devices.
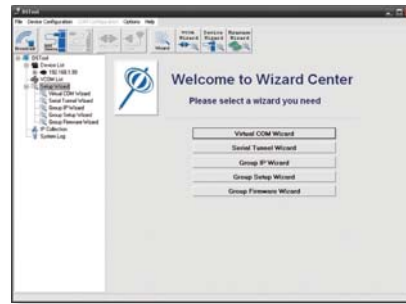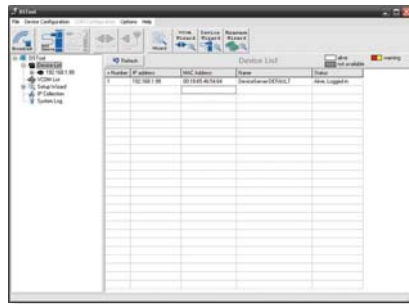
> DS-Tool

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.
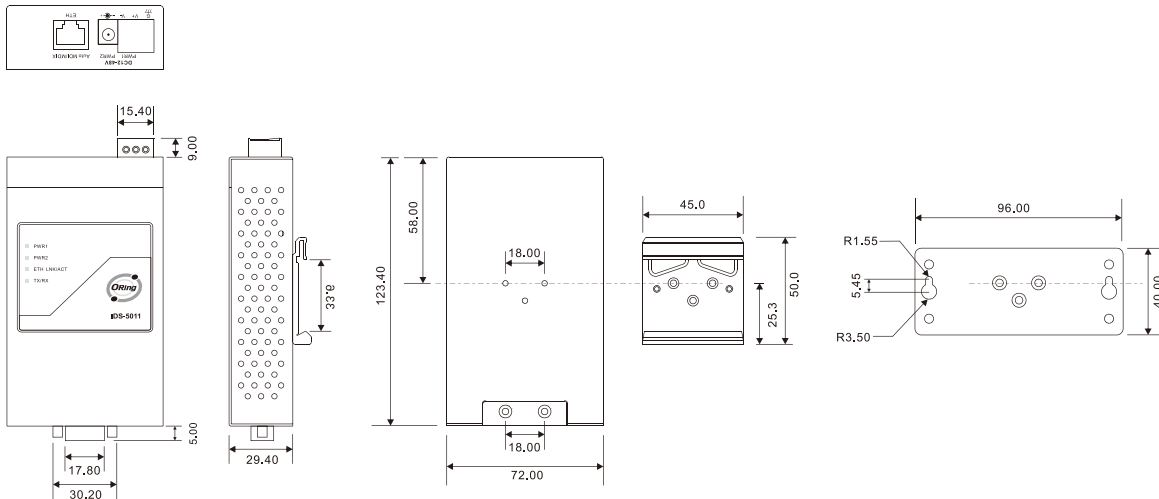
Network connection   Topology View

Monitoring and Configuration interface

> Dimension

Unit=mm

> Specifications

ORing Device Server Model	IDS-5011
Physical Ports	
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	1
Serial Ports	
Connector	DB9 x 1
Operation Mode	RS232
Serial Baud Rate	110 bps to 460.8 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
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.

10/100Base-T(X) RJ45 port indicator	Green for port Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.
Serial TX / RX LEDs:	Red: Serial port is receiving data Green: Serial port is transmitting data

Company Overview

Key Technologies

New Products

Product Selection Guide

Industrial Ethernet Switch

Industrial Media Converter

Industrial Device Server

Industrial Wireless Solution

Industrial Serial Card

USB Server

Accessories

Power	
Redundant Input power	Dual DC inputs. 12-48VDC on 3-pin terminal block and power jack
Power consumption (Typ.)	4 watts
Overload current protection	Present
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	72(W)x29.4(D)x123.4(H) mm (2.83x1.16x4.86 inch.)
Weight (g)	327 g
Environmental	
Storage Temperature	-40 to 85℃(-40 to 185℉)
Operating Temperature	-10 to 60℃ (14 to 140℉)
Operating Humidity	5% to 95% Non-condensing
Reverse polarity protection	Present on terminal block
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	5 years

> Ordering Information

IDS-50 A B

Code Definition	Serial Port Number	Ethernet Port Number
Option	**- 1:** 1 port	**- 1:** 1 port **- 2:** 2 port

	Model Name	Description
Available Model	IDS-5011	Industrial 1-port RS232 to 1-port 10/100Base-T(X) Device Server