IDS-5012

>> Industrial 1-port RS232/422/485 to 2-port 10/100TX Device Server

- Redundant Dual Ethernet Ports: Recovery time < 10ms</p>
- Switch Mode Supported: Daisy Chain support to reduce usage of switch ports
- NAT-pass through: User can manage IDS-5012 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
- 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

- Dual redundant Ethernet port support redundant mode (Recovery time < 10ms)
- Ethernet switch mode enable Daisy Chain
- 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

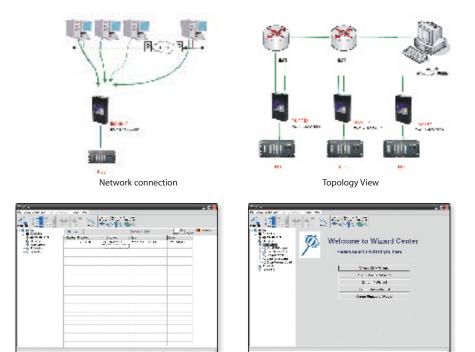
- IP table to prevent access from unauthorized IP address
- Configurable by Web-based and Windows utility (DS-Tool)
- Dual redundant DC power inputs of terminal block and power jack
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

> Introduction

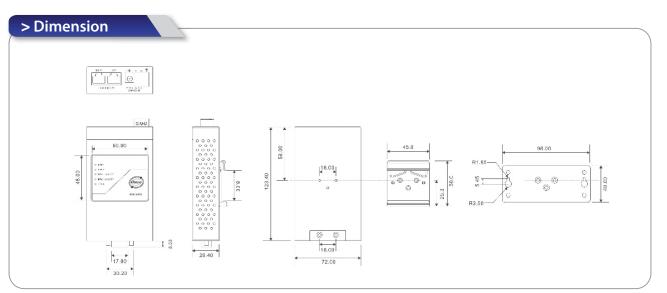
IDS-5012 is an innovative 1 port RS232/422/485 to 2 ports LAN redundant device server. To assure the agility and security of critical data, IDS-5012 offers many powerful features for HW & SW redundant functions. When the connection between master-link and LAN fails, IDS-5012 can automatically switch to another LAN port within 10mS, and still guarantees a non-stop connection. IDS-5012 also supports switch mode, users can use Daisy Chain to reduce the usage of Ethernet switch ports. Secondly, IDS-5012 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. Thirdly, IDS-5012 provides dual redundant power inputs on DC power jack and terminal block. IDS-5012 also provides NAT pass through function so that users are able to manage IDS-5012 inside or outside the NAT router. It is easy for different IP domain users to use IDS-5012. Therefore, IDS-5012 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.



Monitoring and Configuration interface



Unit=mm

> Specifications

ORing Device Server Model	IDS-5012	
Physical Ports		
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	2	
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 460.8 Kbps	
Data Bits	5, 6, 7, 8	
Parity	odd, even, none, mark, space	
Stop Bits	1, 1.5, 2	

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

NatureNatureNatureRS-422Trk, Tax, Rk, Rx, GNDRS-485 (4-wire)Txk, Txx, Rk, Rx, GNDRS-485 (2-wire)Data, Data, GNDRS-485 (2-wire)Data, Data, GNDFlow CortolXON XOF, RTS/CTS, DTR/DSRED cortolXON XOF, RTS/CTS, DTR/DSRED cortolCortolWere indicatorRed Bilking: Located by Administator.flow cortolGreen of nort Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.for CortolGreen for nort Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.for CortonGreen for nort Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.for CortonGreen for nort Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.for CortonGreen for nort Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.for CortonBed Serial port is receiving data Green. Serial port is transmitting datafor consumption (Typ)4 wattsPower consumption (Typ)PowerEnclosureIP-30Dimension (W x D x H)72(V) x 294(D) x 1234(H) mm (2.83x116x4.86 inch.)Weight (g)327 gSorae Temperature-40 to 65°C(-40 to 185°F)Operating Temperature-40 to 65°C(-40 to 185°F)Operating Temperature-50 to 60°C (Li ta 140°F)Operating Temperature-60 to 60°C (Li ta 140°F)	RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND	
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R5-485 (2-wire) Data+, Data-, GND Flow Control XDN/XOFF, RTS/CTS, DTR/DSR LED indicators PWR 1(2) / Ready: Red On-Power is on and booting up. Red Blinking: Indicates an IP conflict, or DHCP or BOOTP sever 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. Amber for port Link/Act at 10Mbps. Serial TX / RX LEDs: Red: Serial port is receiving data Green: Serial port is receiving data Green: Serial port is transmitting data Power Dual DC inputs. 12-48VDC on 3-pin terminal block and power jack Power consumption (Typ.) 4 watts Overload current protection Present PolocarCaretistic UP 30 Dimension (W x D x H) 22 (W) x 294(D) x 1234(H) mm (2.83x116x4.86 inch.) Weight (g) 22 rg Environmental -0 to 60°C (14 to 185°F) Operating Humidity 5% to 95% Non-condensing Reverse polarity protection Present on terminal block Regulary approvals ENCORD-4-3 (RS), ENG1000-4-4 (EFT), ENG100-4-5 (Surge), ENG1000-4-5 (Su			
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Vibration IEC60068-2-6 Safety EN60950	Shock	IEC60068-2-27	
Safety EN60950	Free Fall	IEC60068-2-32	
	Vibration	IEC60068-2-6	
Warranty 5 years	Safety	EN60950	
	Warranty	5 years	

> Ordering Information

