

IDS-2204

4 RS-232/422/485 port to 2 10/100TX Ethernet Device Server

- Redundant Dual Ethernet Ports: Recovery time < 10ms
- Switch Mode Supported
- NAT-pass through
- Secured Management by HTTPS and SSH



OVERVIEW

Lantech IDS-2204 is a 4-port RS232/422/485 to 2-port LAN redundant device server. To assure the agility and security of critical data, IDS-2204 offers many powerful features for HW & SW redundant functions.

When the connection between master-link and LAN fails, IDS-2204 can automatically switch to another LAN port within 10ms, and still guarantees a non-stop connection. IDS-2204 also supports switch mode, users can use Daisy Chain to reduce the usage of Ethernet switch ports. To assure all

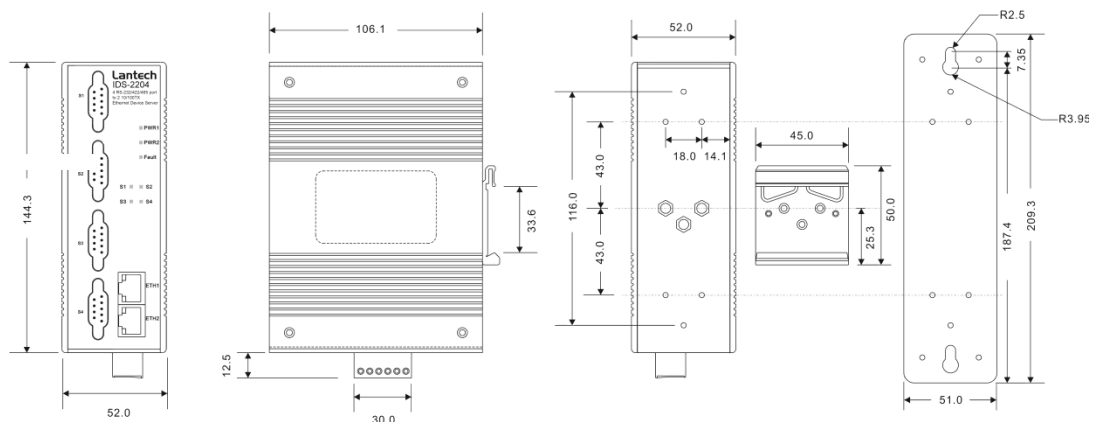
critical data that saved in different host PC to avoid Ethernet break or host PCs failure, IDS-2204 is able to transfer data into 5 host PCs simultaneously. The NAT pass through function allows users to manage IDS-2204 inside or outside the NAT router. It is easy for different IP domain users to use IDS-2204.

IDS-2204 also provides dual redundant power inputs on DC power jack and terminal block. IDS-2204 is one of the best communication redundant solutions for application of serial devices.

FEATURES & BENEFITS

- 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
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

DIMENSIONS (unit=mm)



SPECIFICATION

LAN	2 10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	Power Supply	Dual DC inputs. 12-48VDC on 6-pin terminal block
Feature	Present at ETH2	Power	5.5 Watts
	Power consumption: 8Watts max.	Consumption	
	Over load & short circuit protection	Overload current protection	Present
	Isolation Voltage: 1000 VDC min.	Reverse polarity protection	Present on terminal block
	Isolation Resistance : 108 ohms min	EMI & EMS	FCC Part 15, CISPR (EN55022) class A 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
Serial Connector	DB9 x 4	Shock	IEC60068-2-27
Serial Baud Rate	110 bps to 460.8 Kbps	Free Fall	IEC60068-2-32
Serial Data Bits	5, 6, 7, 8	Vibration	IEC60068-2-6
Serial Parity	odd, even, none, mark, space	Serial operation mode	RS232 / RS422 / 4(2)-Wire RS485. Which can be configured by DS-Tool
Serial Stop Bits	1, 1.5, 2	Safety	EN60950
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND	Operation Humidity	5% to 95% Non-condensing
RS-422	Tx+,Tx-, Rx+, Rx-,GND	Operation Temperature	-20 to 60°C (14 to 140°F)
RS-485 (4-wire)	Tx+,Tx-, Rx+, Rx-,GND	Storage Temperature	-40 to 85°C (-40 to 185°F)
RS-485 (2-wire)	Data+, Data-,GND	Case	IP30, 52 (W) x 106.1 (D) x144.3 (H) mm (2.05x4.18x5.68 inch.)
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR	Weight	682 g
LED	Power indicator	Warranty	5 years
	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.		
10/100TX RJ45 port			
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			

ORDERING INFORMATION

- **IDS-2204.....P/N: 8425-020**
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OPTIONAL ACCESSORIES

DIN Rail Power

- **AD1048-24FS** 24VDC, 2A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 18 Watts at 75°C.)
- **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 9 Watts at 75°C.)
- **AD1240-48S** 48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)
- **AD1120-48F** 48VDC, 2.5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

Lantech Communications Global Inc.

www.lantechcom.tw
info@lantechcom.tw

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