

IDS-2102

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



Lantech Device Server series are able to convert RS232/422/485 to Ethernet connection where user can remotely manage and configure device servers via Internet. Two DC input power can backup power for device server from breakouts.

Lantech IDS-2102 are designed with redundant Ethernet port to securely protect the network connection or set with 2 port 10/100 LAN to link the network connection. The HTTPS and SSH function can ensure the access security from intruder. Unique "X-Ware" Windows utility is able to discover, configure and manage single or multiple Lantech device servers simultaneously. SNMP and SMTP support can automatically alert events to predefined email addresses.

The versatile serial operation modes like Virtual Com up to 5 PCs, TCP Host and Client, UDP Host/Client are applicable in POS, Card Reader, Medial Instrument, Power Utility and PLC Automation applications

- 1 RS-232/422/485 port to 2 10/100TX Ethernet Device Server
- Smart 1-port RS232, RS422, RS485 to 100FX Ethernet
- X-Ware Windows utility for Auto device discovery, device setting and monitoring
- Maximum series speed up to 460.8Kbps
- Versatile serial operation options: Virtual Com, Serial tunnel, TCP Serial, TCP Client, UDP Server, TCP Client connections
- One port simultaneous Virtual COM, TCP Server, TCP Client connections
- Configuration by Windows, Web, Telnet
- Security: HTTPS and SSH
- Event warning by Syslog, E-mail, SNMP Trap, and Beeper
- Virtual COM driver for Windows NT/2000/XP/2003
- Fixed TTY driver for Linux
- Dual power inputs by 12~48VDC Terminal Block and DC jack
- Built-in 1.5KV magnetic isolation protection
- Serial Line Protection: 15KV ESD for all signal
- IP-30 case protection, DIN Rail & Wall Mountable
- Operation temperature: -10°C to 60°C
- Storage temperature: -20°C to 85°C

Specification

LAN	Ethernet 2 10/100 Mbps, RJ45 (Redundant mode, Switch mode*) Protection: Built-in 1.5KV magnetic isolation
Serial	1 RS-232/422/485 port(S/W selectable), male DB-9 type RS-232 Signals: Tx, Rx, RTS, CTS, DTR, DSR, DCD, GND Serial Line Protection: 15KV ESD for all signals
DIP Switch	4 modes available for RS-232, RS-422, RS-485 two-wire, RS-485 four-wire
Beeper	Beeper for event warning or unit positioning
Serial Communication Parameters	Parity: None, Even, Odd, Space, Mark Data bits: 5, 6, 7, 8 Stop bits: 1, 1.5, 2 Flow control: RTS/CTS, XON, Speed: 110bps to 460.8Kbps
LED	PWR 1 / PWR 2 Fiber Link / ACT: Green TX / RX: Serial Port is receiving data (Orange); Serial Port is transmitting data (Green)
Power supply	Power input 1: 12~48VDC (3-pin Terminal Block) Power input 2(redundant power): 12~48VDC (DC-jack) Power line protection: 1KV Burst(EFT), EN61000-4-4; 0.5KV surge, EN61000-4-5
Operation Temp.	-10°C to 60°C
Operation Humidity	5% to 95% (Non-condensing)
Storage Temp.	-40°C to 85°C
Mechanical Specification	Material, IP-30
Case Dimension	72mm(W) x 32mm(D) x 100mm(H)
Regulatory Approval	RoHS
EMC	FCC Class A, CE Class A
Safety	UL, CUL
Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, ARP/RARP, Telnet, RTelnet, DNS, SNMP MIB II, HTTP, SMTP, NNTP
Serial mode	Virtual Com/ TCP Server/ TCP Client/ UDP/ Serial Tunnel with advanced of ->TCP Alive Check Timeout ->Inactivity Timeout ->Delimiter for Data Packing ->Force TX Timeout for Data Packing
4 Hosts simultaneous connection	Virtual Com / TCP server / TCP Client (only raw data)
Security	HTTPS, SSH v2, SSL v3(data encryption)**
Event notification	Email / SNMP trap / Beeper SNMP Trap: Cold/Warm Start DSR, DCD changed IP Changed Authentication Fail SNMP Response: System MIB Interface MIB ICMP, IP, TCP MIB UDP MIB RS-232 MIB
Utilities	Ultra-Wave for Windows NT/2000/XP/2003 ->Device discovery ->Auto IP report ->Device setting(run-time change, no rebooting) ->Access control list ->Group setting ->Device monitoring ->Serial port monitoring ->Log info ->Group Firmware update batch
Virtual COM/ TTY Drivers (WDM mode, configuration in windows device manager)	Windows NT/2000/XP/2003, Linux real TTY driver ->Windows 95/98, Unix Fixed TTY driver by request*
Management	Web, Ultra wave Utilities, SNMP and Telnet
Serial API Function	Port Control, Input / Output Data, Port Status Inquiry

Order information

- IDS-2102.....P/ N: 8425-010R
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