

IDS-2101F

1 RS-232/422/485 port to 1 100FX Ethernet Device Server



Features

- 1 RS-232/422/485 port to 1 100FX 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.
- One port simultaneous Virtual COM, TCP Server, TCP Client connections.
- Configuration by Windows, Web, Telnet
- Security: HTTPS and SSH.
- Event warning by Sylog, 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 signals.
- IP-30 case protection, DIN Rail & Wall Mountable.

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 device server are designed with redundant Host devices (Virtual COM) up to 5 PC securely protects the data. The HTTPS and SSH function can ensure the access security from intruder. Unique 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, TCP Host and Client, UDP Host/Client are applicable in POS, Card Reader, Medial Instrument, Power Utility and PLC Automation applications.

Specification

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|---------------------------------|---|
| LAN | Fiber: 1 100FX Protection: Built-in 1.5KV magnetic isolation |
| Optical Fiber | Distance: →Multi mode: 0 to 2km, 1310nm(62.5/125 μm, 500 MHz*km) →Single mode: 0 to 30km, 1310nm(9/125 μm, 3.5 PS/(nm*km)), 40, 60km(optional) Min. TX Output: →Multi mode: -20 dBm →Single mode: 0 to 40 km, -5 dBm Max. TX Output: →Multi mode: -14 dBm →Single mode: 0 to 40 km, 0 dBm Sensitivity: -36 to -32 dBm (Single), -34 to -30 dBm (Multi) |
| Serial | No. of ports: 1 RS-232/ 422/ 485 port, male DB-9, S/W selectable RS-232 Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND Serial Line Protection: 15 KV 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/XOFF Speed: 110 bps to 460.8Kbps |
| LED | PWR 1 / Ready: 1) Red On: Power is on and booting up. Red Blinking: Indicates an IP conflict, or DHCP or BOOTP server did not respond properly. 2) Green On: Power is on and functioning normally. Green Blinking: Located by Administrator's Location function. PWR 2 / Ready: 1) Red On: Power is on and booting up. Red Blinking: Indicates an IP conflict, or DHCP or BOOTP server did not respond properly. 2) Green On: Power is on and functioning normally. Green Blinking: Located by Administrator's Location function. Fiber Link / ACT: Green Blinking: Fiber connection. TX / RX: Serial Port is receiving data (Orange); Serial Port is transmitting data (Green). |
| Power Supply | Power Input 1: 12 to 48 VDC (3-pin Terminal Block) Power Input 2 (Redundant Power): 12 to 48VDC (Φ2.0 DC Jack) Power Line protection: →1 KV Burst (EFT), EN61000-4-4 →0.5 KV Surge, EN61000-4-5 |
| Operating Humidity | 5% to 95% (Non-condensing) |
| Operating Temperature | -10 to 60°C |
| Storage Temperature | -40 to 85°C |
| Mechanical Specifications | Material: Metal, 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 |