



2/4 ports Industrial Serial to Ethernet Device Server

OVERVIEW :

DMI-A0 Series is a two or four serial ports to two Ethernet ports Industrial serial server, which is an easy and reliable solution for bridging your serial based equipments to the

Fast Ethernet networks. The two ports Ethernet can be used to cascade two or more DMI-A0 Series devices, which eliminates the need to connect each device server to an Ethernet switch. The serial ports support RS-232/422/485 or isolated RS-422/485, and the LAN ports support 10/100Base-TX or 100Base fiber optical.

FEATURES:

- Flexible Serial Ports- Support 2 or 4 ports of RS-232/422/485 or RS-422/485
- Isolation- 2KV isolated RS-422/485
- Dual LAN Ports- Support redundant function
- Fiber Option- Support single-mode and multi-mode fiber optical for both LAN ports
- Flexible Power Input- Including both terminal block and DC jack Latch- DC jack with latch secures higher stability of connection
- Flexible Installation Method- with wall mountable and perpendicular to DIN-Rail design
- Metal housing
- Port Buffering- 64KB port buffer prevents data loss when connection fails
- Warning- Inform user by relay output and E-mail in case of disconnection
- Multiple Operation Mode- Support Real COM, TCP server, TCP client, UDP, Pair Connection

SPECIFICATIONS:

Technology

Serial Port:

- Interface: RS-232/422/485
- Connector:
 - RJ50 for 4-port RS-232/422/485
 - DB9 for 2-port RS-232/422/485
 - Terminal Block for isolated RS-422/485
- Line Protection: 15KV ESD
- Isolation: 2KV

Serial Communication Parameters:

- Parity: None, Even, Odd, Space, Mark
- Data Bits: 5, 6, 7, 8
- Stop Bit: 1, 1.5, 2
- Flow Control: RTS/CTS, Xon/Xoff
- Speed: 50 bps to 921.6 Kbps

Ethernet Switch Port:

- Interface: 10/100Base-TX, 100Base-FX
- Connector: RJ45 (10/100Base-TX), SC, ST type (100Base-FX)
- Isolation: Built-in 1.5KV magnetic isolation

Protocols:

- ICMP, IP, TCP, UDP, DHCP client, BOOTP Telnet, Rtelnet, DNS, SNMPv2, HTTP, SSH, Reverse SSH, SMTP, SNTP, ARP, RARP, RFC2217

Operation mode:

- Real COM, TCP server, TCP client, UDP, Pair Connection

OS Driver Support:

- Windows 2000/XP/2003 COM driver

Management:

- Web, Telnet console, SNMP

Port Buffer:

- 64K Bytes

Power

Input:

- Input Voltage: 9 to 32 VDC

Power Consumption:

- 800 mA at 12V (max.)

Connector:

- Terminal Block or DC Jack with latch

Mechanical

Casing

- Aluminum case

Dimensions:

- 100mm (W) x 125mm (D) x 30mm(H)
- (3.94" (W) x 4.92" (D) x 1.18" (H))

Weight:

- 0.3kg (0.66 lb)

Installation:

- DIN-Rail, Wall Mounting

Environment

Operating Temperature:

- -10°C to 60°C (32°F to 140°F)

Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

Ambient Relative Humidity:

- 5% to 95% non-condensing

Regulatory Approvals:

Safety:

- CE, VCCI

Emission Compliance:

- FCC Class A, CE Class A

ORDERING INFORMATION:

DMI-A0202	2*RS-232/422/485 serial device server with 2*10/100TX
DMI-A0204	4*RS-232/422/485 serial device server with 2*10/100TX
DMI-A0220	2* isolated RS-422/485 serial device server with 2*10/100TX

Alternatives listed below are open for order on MOQ ≥ 50 units

DMI-A0220-TF	2* isolated RS-422/485 serial device server with 1*10/100TX+1*100FX
DMI-A0220-FF	2* isolated RS-422/485 serial device server with 2*100FX
DMI-A0202-TF	2*RS-232/422/485 serial device server with 1*10/100TX+1*100FX
DMI-A0202-FF	2*RS-232/422/485 serial device server with 2*100FX
DMI-A0204-TF	4*RS-232/422/485 serial device server with 1*10/100TX+1*100FX
DMI-A0204-FF	4*RS-232/422/485 serial device server with 2*100FX

TYPE OF 100BASE-FX:

Designation	Typical Distance	Nominal Wavelength	Cable Type	Connector	Min TX PWR	Max TX PWR	Sensitivity
100FX	2 Km	1310 nm	MM	SC/ST	-19.0 dBm	-14.0 dBm	-30.0 dBm
100FX	20 Km	1310 nm	SM	SC/ST	-18.0 dBm	-7.0 dBm	-32.0 dBm
100FX	40 Km	1310 nm	SM	SC	-5.0 dBm	0 dBm	-34.0 dBm

MM: Multi mode

SM: Single mode

INSTALLATION TYPE:

DIN Rail (mounting kit is included) & wall mounting

POWER CONNECTOR:

Terminal Block & DC Jack with latch