



1 port Industrial Serial to Ethernet Device Server

OVERVIEW:

DMI-A1 Series is a one serial port to one Ethernet port industrial serial device server, which is a cost effective and reliable solution for bridging your serial based equipment to

Fast Ethernet networks. DMI-A1 Series can transfer serial data through TCP/IP, control remote serial devices with security, thus maximizing managerial efficiency. The serial port supports RS-232/422/485 or isolated RS-422/485, and the LAN port supports 10/100Base-TX or 100Base fiber optics.

FEATURES:

- Flexible Serial Interface- RS-232/422/485 or RS-422/485
- Isolation- 2KV isolated RS-422/485
- Fiber Option- Support single-mode and multi-mode fiber optics
- Flexible Power Input- Including both terminal block and DC jack with latch secures a stable connection
- Flexible Installation Method- Aluminum housing with wall and DIN-Rail mounting
- 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:
 - DB9 for RS-232/422/485
 - Terminal Block for 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: None, RTS/CTS, Xon/Xoff
- Speed: 50 bps to 921.6 Kbps

Ethernet 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/VISTA/2003 COM driver

Management:

- Web, Telnet console, SNMP

Port Buffer:

- 64K Bytes

Power

Input:

- Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)

Power Consumption:

- 2.88W Max. 0.24A@12VDC, 0.12A@24VDC

Connector:

- Terminal Block or DC Jack with latch

Mechanical

Casing:

- Aluminum case

Dimensions:

- 70mm (W) x 110mm (D) x 30 mm(H)
- (2.76" (W) x 4.33" (D) x 1.18" (H))

Weight:

- 0.25kg (0.55 lb)

Installation:

- DIN-Rail, Wall Mounting

Environment

Operating Temperature:

- -10°C to 60°C (14°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:

Emission Compliance:

- CE Mark Class A, FCC Part 15 Class A, VCCI Class A

ORDERING INFORMATION:

DMI-A1101	1* RS-232/422/485 to 1* 10/100TX Serial Device Server
DMI-A1101-M-SC	1* RS-232/422/485 to 1*100FX(multi mode;SC;2Km) Serial Device Server
DMI-A1110	1*isolated RS-422/485 to 1*10/100TX Serial Device Server
DMI-A1110-M-SC	1* isolated RS-422/485 to 1*100FX(multi mode;SC;2Km) Serial Device Server

TYPES OF 100FX:

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