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HNT-1301-T-X1 | Compact 1-Port Industrial Serial Device Server

FEATURE HIGHLIGHTS

- · 1 x software-selectable RS-232/485/422 port
- · 1 x 10/100Mbps RJ45 Fast Ethernet port
- · Supports TCP server/client, UDP, Virtual COM and Tunneling modes
- · Configuration via Web Server page, Serial Console, Telnet Console, and Windows Utility
- · Upgradable firmware via Ethernet from a remote-PC
- · Rugged metal casing; industrial EMC protection
- · Redundant dual DC power inputs for non-stop operation
- · Optional DIN-Rail mounting

DESCRIPTION

Despite Ethernet having become the new backbone standard of Industrial Automation, serial devices still remain highly relevant today, with numerous devices installed on sites worldwide. So with HNT-1301, you can transform any serial device into an Ethernet-capable one, allowing you to control and monitor your legacy serial devices via your LAN or WAN – or even over the internet.

With such connectivity, the amount of time required to configure or troubleshoot a serial device located on a factory floor or in a remote location is eliminated. And with such Ethernet-based connectivity, serial devices can be integrated into modern practices such as Industry 4.0 and IIoT, allowing you to extend their lifetime and avoid wholesale device upgrades in the near future.

Featuring 1 x software-selectable Serial Port and 1 x 10/100 RJ45 Port, the HNT-1301 is a simple to install device with easy configurations options such as Telnet, Web browser, Serial Console, or other Windows utilities. And using the Virtual COM software, Windows-based applications can access serial devices by mapping the virtual com ports to HNT-1301.

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Encased in a rugged metal housing offering high EMC protection, HNT-1301 is ideal for industrial and manufacturing automation applications, such as PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kan bans, Shop Floor Control Systems, and Pick-to-Light Systems.

SPECIFICATIONS

Network Interface	
Ethernet Port	1x 10/100BASE-T(X) RJ-45
Compliance	IEEE 802.3 for 10BASE-T IEEE 802.3u for 100BASE-T(X)
Serial Interface	
Connector	9-Pin D-Sub9 connector(Male, -DB version) or 5-Pin Terminal block (-TB version)
Ports	1
Mode	RS-232/RS-485(2 and 4 wire)/RS-422, software selectable
Baud Rate	1200~230,400 bps
Parity	None, Odd, Even, Space, Mark
Data Bits	7,8
Stop Bits	1,2
Flow Control	None, Xon/Xoff, RTS/CTS (RS-232 only)
Power Characteristics	
Connector	3-Pin 5.08mm Lockable Terminal Block and DC Jack for redundancy
Input Voltage Power Consumption Power Redundancy	3-Pin 5.08mm Lockable Terminal Block: 9-30VDC; DC Jack 5VDC <1.5W Yes
Reverse Polarity Protection	Yes
Environmental Limits	
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 ~ 95% RH, (non-condensing)

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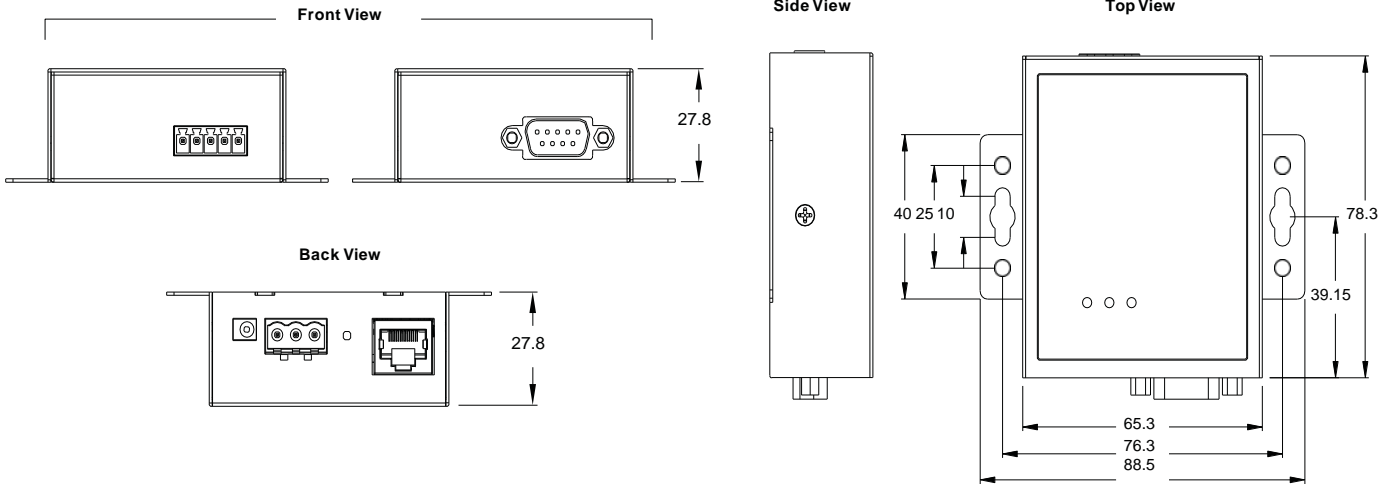
Software	
Protocols	TCP, IPv4, UDP, DHCP Client, HTTP, HTTPS, Telnet, ARP, SNMPv1,v2c,v3
Configuration	Management Utility, Web UI, Telnet, CLI
VirtualCOM	Windows/Linux redirection software
TCP Client	Single destination or Virtual COM
TCP Server	4 Connections; Virtual COM or reverse Telnet
UDP	Up to 4 Ranges IP
Approvals	
Safety	EN 60950-1
EMC	FCC Part 15, Subpart B, Class A EN 55032, EN61000-6-4 EN 61000-3-2 EN 61000-3-3 EN 55024, EN61000-6-2

DIMENSIONS

Front View

27.8

Back View

27.8

Side View

Top View

40 25 10

78.3

39.15

65.3
76.3
88.5

ORDERING INFORMATION

Model name	Description
HNT-1301-T-X1	Industrial Serial Device Server, 10/100BASE-T(X), RS232/422/485 DB9