



STE-708/716 Series

8/16-Port 1U Rackmount Industrial RS232 or RS422/485 Serial Device Servers, with Dual LAN Redundancy



Features

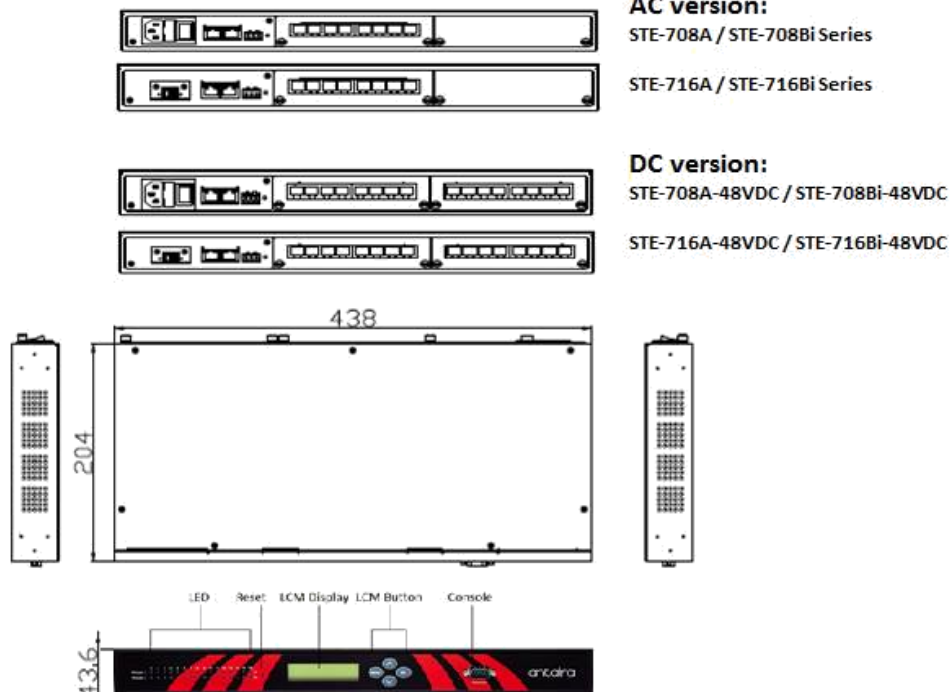
- ▶ 1U 19" Rack-Mount Metal Housing Design
- ▶ Industrial High EMC Protection
- ▶ 8 or 16Ports RS232 or RS422/485 Serial Ports
- ▶ Built-in Dual 10/100Mbps Ethernet for Applications:
 - Daisy Chain Ethernet
 - Network Redundancy
 - Data Redundancy Network
- ▶ 2.5KV Isolation Protection for RS422/485 Models
- ▶ Serial Data Throughput Rate: 50~921.6Kbps
- ▶ Supports Virtual COM, TCP/UDP Server/Client, and Tunneling Mode
- ▶ Configuration via Built-in Web Console, and Windows Utilities
- ▶ Power Input: AC Models: 100~240VAC; DC Models: 24/48VDC
- ▶ Wide Operating Temperature Range Support: -20° to 70° C (-4°F ~ 158°F)
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' new STE-708 and STE-716 series is either an 8 or 16-port industrial 1U 19" rackmount designed as an RS232 or RS422/485 serial device server. Each unit is built with dual LAN ports which allow users to set up a ring topology network for dual data redundancy applications. It also supports high EMC protection and 2.5KV optical isolation for RS422/485 models. It is designed with wide operating temperature support (-20° to 70°C) to fulfill any industrial environmental application.

Many industrial applications still require legacy serial equipment such as PLCs, barcode scanners, display signs, security access controllers, CNC controllers and many more that are not yet Ethernet ready for a TCP/IP network. Antaira's STE-708 and STE-716 series are designed to transmit data bi-directionally between one-or-more serial devices to a TCP/IP network. Plus the advanced network and data redundancy features would allow users to execute an excellent remote management application.

DIMENSIONS



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SPECIFICATIONS

Ethernet Interface

Technology	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet
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Ports	2*RJ45 (Dual Individual IP Subnets or LAN Redundancy)
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Speed	10BaseT / 100BaseTx
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Serial Interface

Connectors	8 or 16 RJ45 Ports
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Mode	STE-708A/716A series with 8/16 Ports RS232 STE-708Bi/716Bi series with 8/16 Ports RS422/485 w/Isolation Protection
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Baud Rate	50~921,600 bps
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Parity	None, Odd, Even, Space, Mark
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Data/Stop Bits	5,6,7,8, / 1,2
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Flow Control	None, Xon/Xoff, RTS/CTS (RS-232 only)
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Serial Console	Dedicated RS-232 console port on front panel (DB9)
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Serial Line Protection	15KV ESD Protection 2.5KV Isolation Protection
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Software

Protocol	IPv4, ICMP, TCP, UDP, DHCP Client, SNMP, HTTP, Telnet, RFC2217, NTP, DNS, SMTP, Syslog
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Configuration	Web Console, Serial Manager, Serial console, Telnet
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Virtual COM Mode	Windows / Linux redirection software
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TCP Server Mode	4-connection mode supports Raw Data, Virtual COM or Reverse Telnet
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TCP Client Mode	Dual destinations support Raw Data or Virtual COM
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UPD Mode	Up to 8 ranges of IPs
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Mechanical Characteristics

Housing	Metal – 1U 19" Rackmount
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Dimension	436 x 43.5 x 200 mm (W x H x D)
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Weight	3200g (16 ports) / 3000g (8 ports)
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Reset Button	Yes
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Power Requirement

Input Voltage	110~240VAC (AC models) 24/48 VDC (DC models)
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Power Connection	IEC 60320-1 C14 AC Power Inlet (AC models) 3-Pin Terminal Block (DC models)
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Input Current	0.21A (AC models) / 0.54A (DC models)
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Power Redundancy	-
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Reverse Polarity Protection	Yes
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Power Consumption	21W (AC models) 13W (DC models)
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Environmental Limits

Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
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Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
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Ambient Relative Humidity	5 to 95%, (non-condensing)
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Regulatory Approvals

EMI	EN 55022: 2010, EN 55024: 2010, FCC Part 15B, Class A
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EMS	IEC-610004-2 (ESD) Level 4; IEC-610004-3 (RS) Level 3; IEC-610004-4 (EFT) up to Level 4; IEC-610004-5 (Surge) up to Level 4; IEC-610004-6 (CS) Level 3; IEC-610004-8 (PFMF) Level 3; IEC-610004-11
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Shock / Vibration / Free Fall	IEC 60068-2-27 / IEC 60068-2-6 / IEC 60068-2-32
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Green	RoHS Compliant
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Certifications	FCC, CE
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Warranty	5 Years
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ORDERING INFO

STE-708A	8-Port 1U Rackmount Industrial RS232 Serial Device Server, AC Input, US Plug
STE-708A-EU	8-Port 1U Rackmount Industrial RS232 Serial Device Server, AC Input, EU Plug
STE-708A-DC	8-Port 1U Rackmount Industrial RS232 Serial Device Server, DC Input, US Plug
STE-708Bi	8-Port 1U Rackmount Industrial RS422/485 Serial Device Server with Isolation, AC Input, US Plug
STE-708Bi-EU	8-Port 1U Rackmount Industrial RS422/485 Serial Device Server with Isolation, EU Input, US Plug
STE-708Bi-DC	8-Port 1U Rackmount Industrial RS422/485 Serial Device Server with Isolation, DC Input, US Plug
STE-716A	16-Port 1U Rackmount Industrial RS232 Serial Device Server, AC Input, US Plug
STE-716A-EU	16-Port 1U Rackmount Industrial RS232 Serial Device Server, AC Input, EU Plug
STE-716A-DC	16-Port 1U Rackmount Industrial RS232 Serial Device Server, DC Input, US Plug
STE-716Bi	16-Port 1U Rackmount Industrial RS422/485 Serial Device Server with Isolation, AC Input, US Plug
STE-716Bi-EU	16-Port 1U Rackmount Industrial RS422/485 Serial Device Server with Isolation, EU Input, US Plug
STE-716Bi-DC	16-Port 1U Rackmount Industrial RS422/485 Serial Device Server with Isolation, DC Input, US Plug
Optional Accessories	
PWRCORD-US	AC Power Cord – US Plug
PWRCORD-EU	AC Power Cord – EU Plug

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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