



## STE-708/716 Series

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



### Features

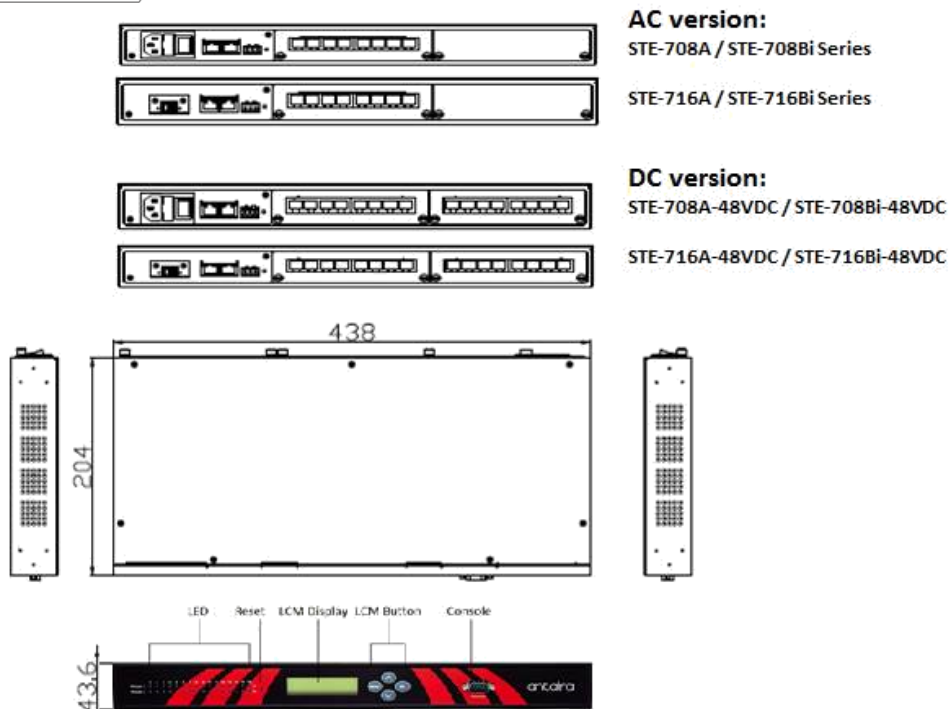
- ▶ 1U 19" Rack-Mount Metal Housing Design
- ▶ Industrial High EMC Protection
- ▶ 8 or 16Ports RS232 or RS422/485 Serial Ports
- ▶ Built-in Dual 10/100Mbps Ethernet for Applications:
  - Daisy Chain Ethernet
  - Network Redundancy
  - Data Redundancy Network
- ▶ 2.5KV Isolation Protection for RS422/485 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



Toll-Free: 1 (844) 268-2472 | T: 1 (714) 671-9000 | F: 1 (714) 671-9944

[www.antaira.com](http://www.antaira.com)

## SPECIFICATIONS

Ethernet Interface		Mechanical Characteristics	
<b>Technology</b>	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet	<b>Housing</b>	Metal – 1U 19" Rackmount
<b>Ports</b>	2*RJ45 (Dual Individual IP Subnets or LAN Redundancy)	<b>Dimension</b>	436 x 43.5 x 200 mm (W x H x D)
<b>Speed</b>	10BaseT / 100BaseTx	<b>Weight</b>	3200g (16 ports) / 3000g ( 8 ports)
Serial Interface		<b>Reset Button</b>	Yes
<b>Connectors</b>	8 or 16 RJ45 Ports	Power Requirement	
<b>Mode</b>	STE-708A/716A series with 8/16 Ports RS232 STE-708Bi/716Bi series with 8/16 Ports RS422/485 w/Isolation Protection	<b>Input Voltage</b>	110~240VAC (AC models) 24/48 VDC (DC models)
<b>Baud Rate</b>	50~921,600 bps	<b>Power Connection</b>	IEC 60320-1 C14 AC Power Inlet (AC models) 3-Pin Terminal Block (DC models)
<b>Parity</b>	None, Odd, Even, Space, Mark	<b>Input Current</b>	0.21A (AC models) / 0.54A (DC models)
<b>Data/Stop Bits</b>	5,6,7,8, / 1,2	<b>Power Redundancy</b>	-
<b>Flow Control</b>	None, Xon/Xoff, RTS/CTS (RS-232 only)	<b>Reverse Polarity Protection</b>	Yes
<b>Serial Console</b>	Dedicated RS-232 console port on front panel (DB9)	<b>Power Consumption</b>	21W (AC models) 13W (DC models)
<b>Serial Line Protection</b>	15KV ESD Protection 2.5KV Isolation Protection	Environmental Limits	
Software		<b>Operating Temperature</b>	-20°C ~ 70°C (-4°F ~ 158°F)
<b>Protocol</b>	IPv4, ICMP, TCP, UDP, DHCP Client, SNMP, HTTP, Telnet, RFC2217, NTP, DNS, SMTP, Syslog	<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Configuration</b>	Web Console, Serial Manager, Serial console, Telnet	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Virtual COM Mode</b>	Windows / Linux redirection software	Regulatory Approvals	
<b>TCP Server Mode</b>	4-connection mode supports Raw Data, Virtual COM or Reverse Telnet	<b>EMI</b>	EN 55022: 2010, EN 55024: 2010, FCC Part 15B, Class A
<b>TCP Client Mode</b>	Dual destinations support Raw Data or Virtual COM	<b>EMS</b>	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
<b>UPD Mode</b>	Up to 8 ranges of IPs	<b>Shock / Vibration / Free Fall</b>	IEC 60068-2-27 / IEC 60068-2-6 / IEC 60068-2-32
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE
		<b>Warranty</b>	5 Years



**ORDERING INFO**

<b>STE-708A</b>	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
<b>Optional Accessories</b>	
<b>PWRCORD-US</b>	AC Power Cord – US Plug
<b>PWRCORD-EU</b>	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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660