Antaira Technologies

Industrial Serial Device Server
STE-708 / STE-716 Series

Hardware Installation Guide
**Version 1.0**
Updated - November 2014

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Package Check List

The package contains the following items:
- STE-708 / STE-716 Industrial Serial Device Server
- Hardware Installation Guide
- Product CD
- 1 * 3-pin Terminal Block   (DC models only)
- 1 * RJ-45 to Male DB9 cable
- 1 * AC Power Cord (EU / US models only)
- 4 * Foot Rubbers
- 1 * Rack Mount Kit

Panel Layout
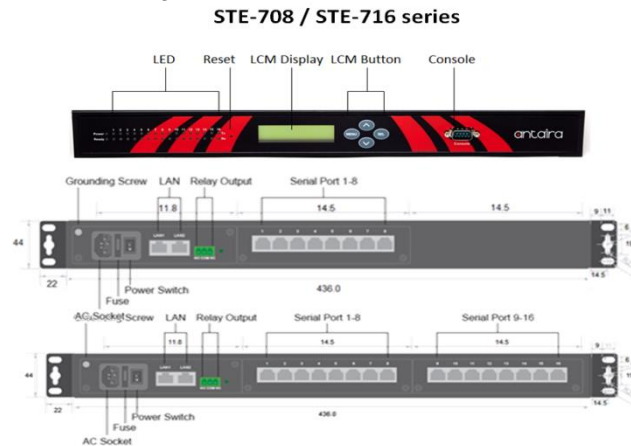
*STE-708 Series – 8*Serial Ports & STE-716 Series – 16*Serial Ports

LCM Display

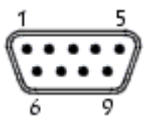| Buttons	Function
Menu	Opens the main menu
(up arrow)	Scroll up
(down arrow)	Scroll down
SEL	Confirm the selection. When working with IP addresses, pressing <SEL> means moving to the next digit.

Installation Overview

1. Ground the device properly. When using the AC model, the user can use the grounding screw next to the AC inlet. When using the DC model, the user can utilize the 3-pin terminal block. It is required to connect to the grounds at all times to ensure overall maximum performance.

2. If the unit requires installing on a rack, the user is required to secure the rack mount kit on to the unit before placing it on the rack. If the unit requires installing on a surface, the user can use the foot rubbers to prevent the device from sliding.

3. Then user can choose whether to plug in the I/O ports at this point or at a later time. Next, the user can utilize the Ethernet cable between the device and the network (Ethernet switch or PC), and then the user can start setting up the device.

- The openings to the sides are for the device's heat dissipation. Please *never* obstruct or cover them with any objects.

- All STE-708/STE-716 series' factory default IP address is 10.0.50.100. Users can access the device by its WebUI once it is connected to a physical network; or use the serial manager. For more information on the serial manger, please refer to the manual. Please note, the user is required to follow the procedure to setup the PC in the same subnet, and then use the web console to configure the device.

Pin Assignments
Serial and RJ-45 Connectors

	Ethernet	RS-232	RS-422 & RS-485 4-Wire	RS-485 2-Wire
Pin 1	Tx+	RTS	-	-
Pin 2	Tx-	DTR	TX-	-
Pin 3	Rx+	TXD	TX+	-
Pin 4		SG	SG	SG
Pin 5		SG	SG	SG
Pin 6	Rx-	RXD	RX+	Data+
Pin 7		DSR	RX-	Data-
Pin 8		CTS	-	-

Serial and Male DB9 Connectors

	RS-232	RS-485 2-Wire	RS-422 or RS-485 4-Wire
Pin 1	-	-	-
Pin 2	RXD	Data+	RX+
Pin 3	TXD	-	TX+
Pin 4	DTR	-	TX-
Pin 5	SG	SG	SG
Pin 6	DSR	Data-	RX-
Pin 7	RTS	-	-
Pin 8	CTS	-	-
Pin 9	-	-	-

*A cable (RJ-45 to Male DB9) is included in the package.

LED Indicators

Name	Color	Status	Message
Power	Green	On	System is powered on
		Off	System is not powered on
Ready	Green	Off	System is not ready or halt
		Blinking	AP firmware is running normally
COM	Green	Blinking	Data is transmitting on COM port
		Off	No data is transmitting
LAN	Orange	On	Ethernet is connected at 100Mbps
		Off	Ethernet is connected at 10Mbps or Disconnected
	Green	Blinking	Data is transmitting on this port
		Off	Ethernet is Disconnected

Field Maintenance and Service

- If the device requires servicing of any kind, the user is required to disconnect and remove it from its mounting. The initial installation should be done in a way that makes this as convenient as possible.

- Voltage/Power lines should be properly insulated as well as other cables. Be careful when handling them so as to not trip over.

- Do not under any circumstance insert foreign objects of any kind into the heat dissipation holes located in the different faces of the device. This may not only harm the internal layout, but might cause harm to you as well.

- Do not under any circumstance open the device for any reason. Please contact your dealer for any repair needed or follow the instructions within your manual.

Warranty Policy

Warranty Conditions

Products supplied by Antaira Technologies are covered in this warranty for sub-standard performance or defective workmanship. The warranty is not, however, extended to goods damaged in the following circumstances:
(a) Excessive forces or impacts
(b) War or an Act of God: wind storm, fire, flood, electric shock, earthquake
(c) Use of unqualified power supply, connectors, or unauthorized parts/kits
(d) Replacement with unauthorized parts

RMA and Shipping Costs Reimbursement

Customers shall always obtain an authorized "RMA" number from Antaira before shipping the goods for repair or replacement.

Within the warranty period (based on the invoice date), all parts and labor are free of charge to the customers.

Customers are required to be responsible for the cost of parts and labor, if the products are out of warranty.

For RMA service, customers are required to be responsible for the shipping expense for shipping the RMA unit(s) to Antaira; and Antaira will be responsible for the shipping expense by ground service for the return repair/replace unit(s) back to customers.

Limited Liability
Antaira would not be held responsible for any consequential losses from using Antaira's product.

Warranty Period
5-Year Warranty

Antaira's Customer Service and Support

- Antaira's Technical Service & Support Centers:
  + 844-268-2472   (Antaira US Headquarter)
  + 48-22-862-88-81   (Antaira Europe Office)
  + 886-2-2218-9733   (Antaira Asia Office)

- Antaira's Web Sites & Repair/Support Emails:
  www.antaira.com / support@antaira.com
  www.antaira.eu / info@antaira.eu
  www.antaira.com.tw / info@antaira.com.tw

*Any changes will be announced on the Antaira website.