

Antaira Technologies

STE-6104C-T-V2

4-Port Industrial Serial RS232/422/485 to Ethernet Device Server, with Dual LAN; EOT: -40°C to 85°C; Version 2 Hardware

Quick Installation Guide

Version 1.0
(March 2021)



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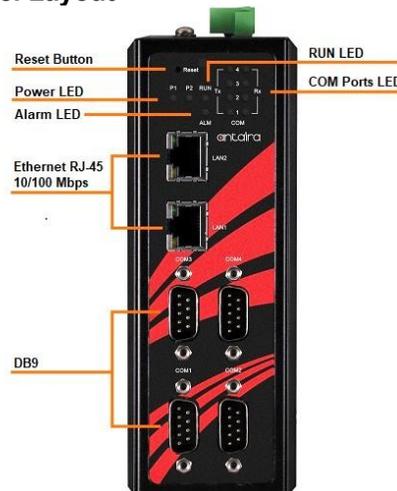
1. PACKAGING

The package contains the following items:

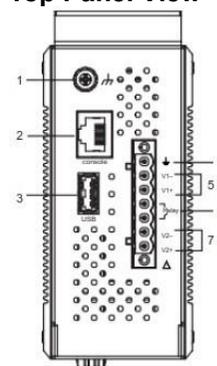
- STE-6104C-T-V2
- Quick Installation Guide
- 7-pin Terminal Block

2 HARDWARE DESCRIPTION

Front Panel Layout



Top Panel View



1. Grounding Screw
2. Console
3. Type A USB for storage
4. Frame Ground
5. Terminal for Power1
6. Relay Output with current carrying capacity of 1A@30 VDC (Normal Open)
7. Terminal for Power2

Product Overview

System Interface/Performance

- 15KV ESD Protection for serial signals
- Ethernet connectivity 2*10/100Tx RJ45 ports
- Store-and-forward switching architecture
- 4-Port RS232/422/485, Baud Rate up to 921 Kbps
- Power port EFT protection: 2,000VDC; Single port ESD Protection: 2,000VDC

Power Input & Connection

- DC 12 to 48V redundant power, with a 7-pin removal terminal block
- It is recommended to use a UL listed industrial power supply

Operating Temperature

- Extended operating temperature model: -40°C to 85°C

Case/Installation

- IP30 protection / DIN-Rail mount design

LED Indicators:

Name	Color	Status	Description
P1 / P2	Green	Off	Power is not connected
		On	Power is connected
LAN	Green	Off	Ethernet Disconnected
		Blinking	Data is transmitting on Ethernet for 100Mbps
COM	Orange	Blinking	Data is transmitting on Ethernet for 10Mbps
		Off	No data is transmitting on COM port
COM	Green	Blinking	Data is transmitting on COM port
		Off	System is not ready or halt
RUN	Green	Blinking	AP firmware is running normally
		Off	Alarm is triggered by user defined events
ALM	Red	Off	Alarm is not triggered by user defined events

Installation Procedures:

- Step 1:** Connect the STE-6104C-T-V2 to a power source.
- Step 2:** Connect the STE-6104C-T-V2 to the Ethernet network. Use a standard straight-through or cross-over Ethernet cable. Always make sure the PC is on the same network subnet as the STE-6104C-T-V2.
- Step 3:** Connect the STE-6104C-T-V2's serial port to a serial device.
- Step 4:** Mount the STE-6104C-T-V2 to a DIN-Rail.

3 SOFTWARE SETUP

Default Network Setting:

Default User Name/Password:

LAN1 IP: **10.0.50.100**

User Name: **admin**

Password: **default**

Gateway: **10.0.0.254**

Subnet: **255.255.0.0**

LAN2 IP : **192.168.1.1**

Gateway: **192.168.1.254**

Subnet: **255.255.255.0**

Auto IP (Dynamic IP):

A DHCP server can automatically assigns the IP address and all the network settings. The STE-6104C-T-V2 supports the DHCP client function. By default, the DHCP client function on the STE-6104C-T-V2 is disabled; you may activate the DHCP client functions by executing SerialManager Utility (Figure 3.1)

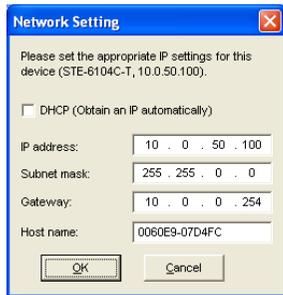


Figure 3.1.

SerialManager utility Dialog Window

Assign a Static IP Address By:

1. Configuration by Telnet

- i. Telnet to the STE-6104C-T-V2 using DOS command "Telnet IP_address 23". Example: telnet 10.0.50.100 23.
- ii. STE-6104C-T-V2's network, link mode and COM ports settings can be configured in the telnet window.

2. Configuration by SerialManager Utility

- i. Use **SerialManager Utility** on Product CD or our website to configure the STE-6104C-T-V2. First click the "Config" option then assign a static IP.

3. Configuration by Web Browser

- i. Open a web browser, then Enter in the IP address as the STE-6104C-T-V2. The default user name is

admin and default password is "default".

- ii. The STE-6104C-T-V2's network, link mode and COM ports settings can be configured on different web pages.
- iii. Click "Save Configuration" to save your settings.

DIN-Rail Mounting

The DIN-Rail bracket is pre-installed on the industrial Ethernet switch from the factory. Please refer to Figure 3 for a DIN-Rail bracket installation reference. Follow the steps below for installing the industrial switch on the DIN-Rail track:

1. Insert the top of the DIN-Rail on to the track as shown below in Figure 4.
2. Lightly pull down the bracket on to the rail as shown below in Figure 5.
3. Check if the bracket is mounted tightly on the rail.
4. To remove the industrial Ethernet switch from the rail, do the opposite from the steps above.



Figure 3

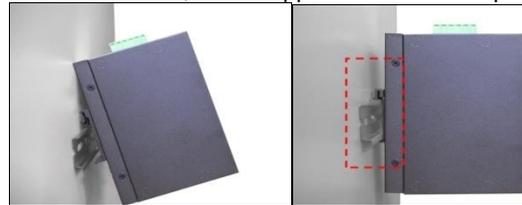


Figure 4

Figure 5

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 user 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 the 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 responsible for the cost of parts and labor, if the products are out of warranty.
- For RMA service, customers are responsible for the shipping expense for shipping the RMA unit(s) to Antaira. Antaira is responsible for the shipping expense via a 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.