STE-501C

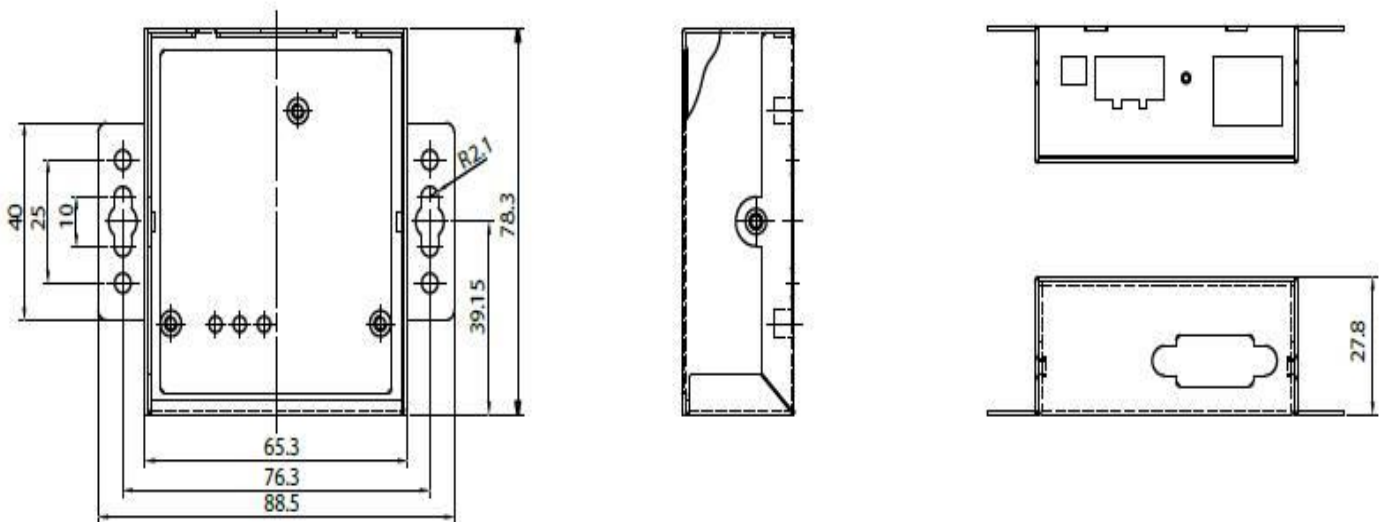## 1-Port (RS232/422/485) Industrial Serial Device Server

Features

► **Compact Metal Housing with DIN-Rail or Wall-Mount**

► **1-Port RS232/422/485 (Software Selectable)**

► **1-Port 10/100Mbps Fast Ethernet, Full Duplex, Auto Negotiation**

► **Built-in 15KV ESD Protection for Serial Signal**

► **Configuration via Web Console, Serial Console, Telnet, or Windows Utility**

► **Operation Modes: Virtual COM, TCP/UDP Server or Client**

► **Power Input: 5V (DC Jack), 9~30VDC (Terminal Block)**

► **Operating Temperature: 0°C to 60°C**

► **Approval: CE, FCC**

► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' STE-501C is an industrial grade Serial-to-Ethernet device server for Ethernet (TCP/IP) and serial signal communications. It's embedded with one serial port (DB9M) with 3-in-1 option for RS232 or 422/485 software selectable, and one RJ45 port for 10/100Mbps Fast Ethernet connection. It provides full-duplex and bi-directional data transparent data transmission between the serial port and the Ethernet network. It can be setup with the built-in ease of use Web Console configuration interface, or via traditional Serial Console, Telnet, or Windows utilities. It supports both Windows and Linux OS with flexible operation modes Virtual COM to access serial device by COM port mapping, or socket mode in TCP/UDP Sever/Client for TCP port setup.

STE-501C provides instant device networking for any legacy serial devices for real-time monitoring, access, or control applications; especially in power/utility, water wastewater treatment, oil/gas and mining, transportation-ITS, factory automation, medical, entertainment, security industries, or any harsh or outdoor environment.

DIMENSIONS

SPECIFICATIONS

Serial Interface

Number of Ports	1*RS232/422/485 (Software Selectable)
Connector	9-Pin D-Sub Male
Serial Line Protection	15KV ESD

Serial Communication Parameters

Baud Rate	1200bps~230Kbps
Parity	None, Odd, Even, Mark, Space
Data Bits	7, 8
Stop Bits	1, 2
Flow Control	None, Software: Xon/Xoff, Hardware: RTS/CTS

Ethernet Interface

Standard	IEEE 802.3
Ethernet Port	1*10/100Mbps, Auto-MDI/MDI-X
Connector	RJ45

Software

Network Protocol	ICMP, TCP(UDP) / IP, DHCP client, SNMP, HTTP, Telnet
Configuration	Web Page / Telnet / Serial console / Windows utility
Operation Modes	Virtual COM (Windows & Linux Drivers), TCP/UDP Server/Client

Mechanical Characteristics

Housing	Compact - Metal
Dimensions	65mm x 80mm x 28mm
Weight	Unit: 0.5 lbs; Shipping: 1.0 lbs
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement

Input Voltage & Power Connection	5V (DC Jack) 9~30VDC (3-Pin terminal block)
Power Protection	Reverse Polarity Protection
Power Consumption	2.7W

Environmental Limits

Operating Temperature	0°C to 60°C
Storage Temperature	-20°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

Safety	EN 60950-1
EMC	FCC Class A, CE Class A
Warranty	5 Years

ORDERING INFO

STE-501C	1-Port Industrial RS232/422/485 Serial Device Server

Optional Accessories	
PA-STX-US	100-240VAC input, 1.25A @ 12VDC output, US plug
PA-STX-EU	100-240VAC input, 1.25A @ 12VDC output, US plug
DIN-RAIL-KIT	DIN-Rail Mounting Kit