

# Devolinx STW-601C

Wireless Ethernet Serial Server - 802.11b/g

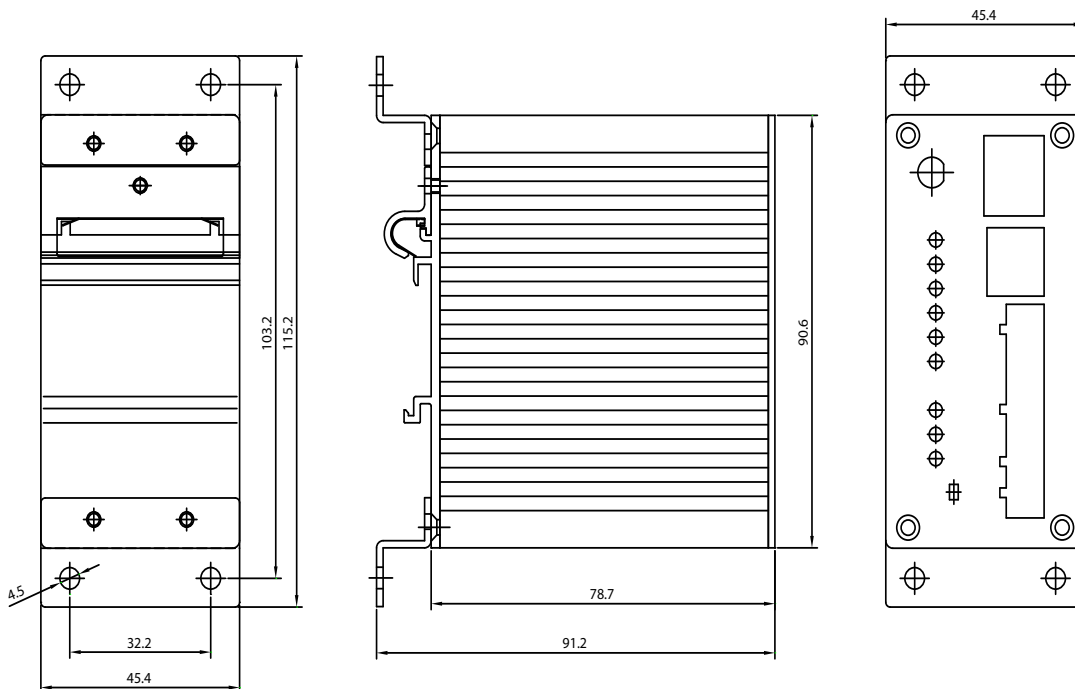


## Features

- ▶ One Serial Port, RS-232/422/485 Software Selectable
- ▶ 802.11b/g with WPA Security
- ▶ 10/100M Ethernet Port for Configuration & Network Redundancy
- ▶ Support UDP, TCP Server/Client Protocols for Virtual COM Mode, and Tunneling Mode Interface
- ▶ Configurable via Console, Telnet, Built-In Web Server, or Windows Based Utilities
- ▶ Built-In Standard High-Gain 4dBi Antenna
- ▶ IP50 Standard Metal Housing
- ▶ 15 KV ESD Protection for Serial Ports
- ▶ Compact Size



## ▶ Layout / Dimensions (unit = mm)



## ► Specifications

### CPU

IDT RISC Processor with MMU

### Flash Memory

10 MB (2 MB for Bootloader)

### SDRAM

32 MB

### Wireless LAN

IEEE 802.11b/g Compliant  
WEP 64-bit/128-bit Data Encryption  
WPA Compatible (TKIP/AES Encryption)  
Modulation Type: CCK, DQPSK, DBPSK, OFDM (11g)  
Tx Power 11b: 15dBm+5dBi  
Tx Power 11g: 14dBm+5dBi  
Rx Sensitivity: -66dBm@54Mbps, -80dBm@11Mbps  
Transmission Rate: 54Mbps (max.) with Auto Fallback  
Transmission Distance: Up to 300 meters (@12Mbps, in open areas)  
Topologies: Infrastructure, Ad-Hoc

### Ethernet

10/100M Auto-Detection (for Redundancy & Configuration)  
Protection: Built-In 1.5KV Magnetic Isolation  
Configuration with Telnet Protocol

### Serial Communication

Supports RS-232/422/485 & Software Selection  
Baud Rate: 1200bps ~ 921Kbps  
Parity: None, Odd, Even, Mark, Space  
Data Length: 7 or 8 Bit  
Stop Bit: 1 or 2  
Flow Control: None, Software, Xon/Xoff, Hardware: RTS/CTS  
Protection: Terminal Block or DB9 Connector with 15KV ESD

### Software

Protocols: ICMP, IP, TCP, UDP, DHCP Client, Telnet, DNS, SNMP,  
HTTP, SMTP, SNTP  
Utilities for Windows 98/2000/XP/2003  
Virtual COM for Windows 98/2000/XP/2003

### Configuration

Web Browser, Telnet, Serial Console, and Windows Utility

### Power Requirement

Input: DC 9 ~ 30V

### Power Consumption

Max. 4.5W (Tx Mode)

### Operation Temperature

-20° C to 70° C (-4° F to 158° F)

### Storage Temperature

-20° C to 85° C (-4° F to 185° F)

### Operation Humidity

5% to 95% (Non-condensing)

### Dimension (W x H x D)

45 x 91 x 80 mm (1.77 x 3.58 x 3.15 in.)

### Regulatory Approvals

EMC: FCC Class A, CE Class A  
Safety: UL

### Warranty

5-Year Warranty

## ► Comparison

Model	STE-501C	STE-502C	STE-601C	STW-601C
Number of Ports	1 Port	2 Ports	1 Port	1 Port
Case Design	Commercial	Commercial	Industrial	Industrial
Flash Memory	512KB	512KB	512KB	10MB (2MB for Bootloader)
SDRAM	512KB	512KB	512KB	32MB
Wireless LAN	No	No	No	Yes
Serial Connector	DB9 Male	DB9 Male	DB9 Male 5 Pin Terminal Block 8 Pin Mini-DIN	DB9 Male 5 Pin Terminal Block 8 Pin Mini-DIN

## ► Ordering Information

### STW-601C

Single Port IEEE802.11b/g Wireless Ethernet Serial Server, RS-232 / 422 / 485

\*\*\* POWER ADAPTER SOLD SEPARATELY \*\*\*

### Optional Accessories

#### PA-STX-US

Power Adapter for STE/STW-501/601 (USA)

#### PA-STX-EU

Power Adapter for STE/STW-501/601 (Euro)

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