



Industrial Wireless Serial Device Server

■ ■ SW550X Series

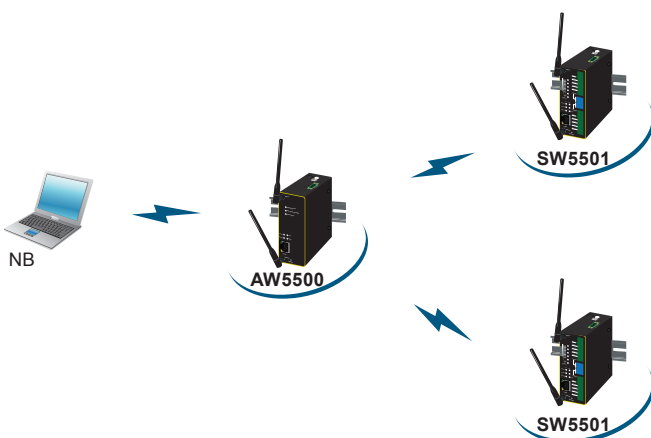
RoHS compliant

- Designed for 802.11a/b/g/n networks
- Embedded PCB coating protection
- Web server/Utility configuration (Serial Manager)
- Upgrade via Serial Manager or Web server
- 5 GHz frequency support to reduce interference on 2.4 GHz with other wireless devices
- FCC (United States), ETSI (Europe), and NCC (Taiwan) certified wireless equipment

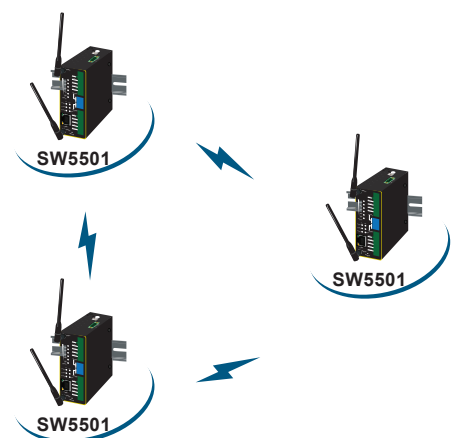
The SW550X Series is our latest addition to our Industrial Wireless products; its small size but powerful architecture makes it a perfect choice for industrial/manufacturing needs in which size is a decisive factor. It rewards our customers with superb connectivity withstanding all the harshness in your environment of choice. Among its many characteristics, we could mention:

- 5 GHz frequency support to reduce interference on 2.4 GHz with other wireless devices.
- Dual antenna design that offers better wireless coverage and reduces wireless blind spots.

Infrastructure Mode



Adhoc Mode



Specifications

Network Interface

Input Voltage 1x RJ-45 IEEE802.3ab 10/100/1000Mbps

Serial Interface

Connector D-Sub9 RS-232/422/485 software selectable
5.08mm TB5 RS-232/422/485 software selectable (TB models)
5.08mm TB5 RS-422/485 software selectable (Sis models)

Ports SW5501: 1 Port, SW5502: 2 Ports

Baud Rate 110~921600Kbps

Parity None, Odd, Even, Space, Mark

Data Bits 5,6,7,8

Stop Bits 1,2

Flow Control None, Xon/Xoff, RTS/CTS

Power Characteristics

Input Voltage 9VDC-48VDC

Input Current(9VDC) 0.65A

Power Consumption Approx. 5.85W (max)

Reverse Polarity Protection Yes

Connection 5.08mm 3-pin Lockable Terminal Block

Mechanicals

Dimensions(W X H x D) 47 mm x 110 mm x 90mm

Installation DIN Rail, Wall Mount (optional)

Reset Button Yes

Weight 500g

Environmental Limits

Operating Temperature -10°C ~ 60°C (14°F ~ 140°F)

Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F)

Ambient Relative Humidity 5 ~ 95% RH, (non-condensing)

Software

Protocols IPv4, ICMP, TCP, UDP, DHCP Client, SNMP, SMTP, HTTP, DNS, NTP, RADIUS, RFC2217

Wireless Security WEP, WPA, WPA2, TKIP, AES, 802.1x

Configuration Serial Manager, Web UI

Virtual COM Windows / Linux redirection software

Link Modes

TCP Server 4 connections, Virtual COM, or Reverse Telnet

TCP Client Dual destinations or Virtual COM

UDP Up to 4 ranges of IPs

Warranty 5 years

Regulatory Requirements

EMC EN 301489-1 V1.8.1, EN301489-17 V2.1.1 (Class A), FCC 15B (Class A), CNS 13438

Radio FCC 15C 15.247, FCC 15E 15.407, EN 301893 V1.5.1, EN 300328 V1.7.1, NCC LP00002

EMF EN 62311: 2008, EN 50385: 2002

Test		Item	Value	Level
IEC 61000-4-2	ESD	Contact Discharge	±8KV	4
		Air Discharge	±15KV	4
IEC 61000-4-3	RS	Radiated(Enclosure)	10(V/m)	3
IEC 61000-4-4	EFT	AC Power Port	±2.0 KV	3
		LAN Port	±2.0 KV	4
		COM Port	±2.0 KV	4
IEC 61000-4-5	Surge	AC Power Port	Line-to-Line±1.0 KV	3
		AC Power Port	Line-to-Earth±2.0 KV	3
		LAN Port	Line-to-Earth±2.0 KV	3
		COM Port	Line-to-Earth±2.0 KV	3
IEC 61000-4-6	CS	Conducted(Enclosure)	10 V rms	3
IEC 61000-4-8	PFMF	(Enclosure)	10(A/m)	3
IEC 61000-4-11	DIP	AC Power Port	-	-

*AC Ports are tested through an power adaptor available in the accessory.

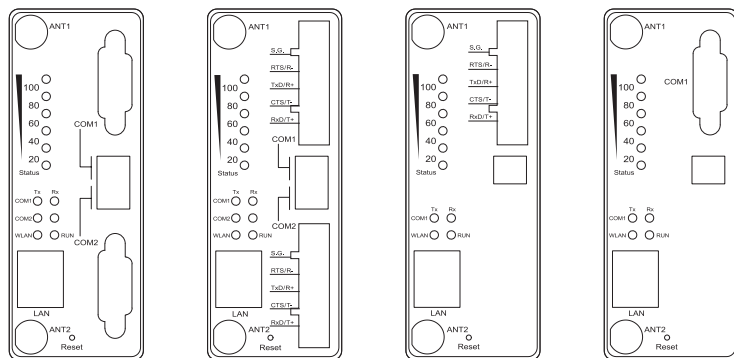
Ordering Information

SW5501	P/N:1P1SW550100001G 1-port Industrial Wireless Serial Device Server, DB9
SW5501-Sis	P/N:1P1SW5501SIS01G 1-port Industrial Wireless Serial Device Server, TB5 with serial isolation
SW5501-TB	P/N:1P1SW5501TB001G 1-port Industrial Wireless Serial Device Server, TB5
SW5502	P/N:1P1SW550200001G 2-port Industrial Wireless Serial Device Server, DB9
SW5502-Sis	P/N:1P1SW5502SIS01G 2-port Industrial Wireless Serial Device Server, TB5 with serial isolation
SW5502-TB	P/N:1P1SW5502TB001G 2-port Industrial Wireless Serial Device Server, TB5

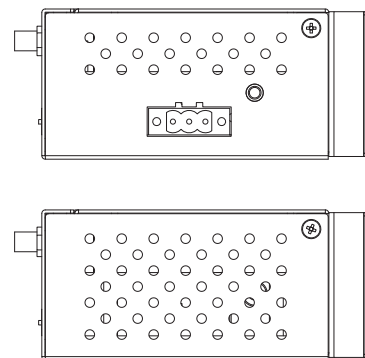
Optional Accessories

AD17-24C (US-Y)	P/N: 50500151240002G Power Adapter Y-Type power adaptor,100-240VAC input, 0.6A @ 24VDC output, US plug
AD17-24D (EU-Y)	P/N: 50500151240012G Power Adapter Y-Type power adaptor,100-240VAC input, 0.6A @ 24VDC output, EU plug
ADP-DB9(F)-TB5	P/N: 59906231G Female DB9 to Female 3.81 TB5 Converter
WMK-454-Black	P/N: 70100000000043G Black Aluminum Wall Mount Kit

Front View



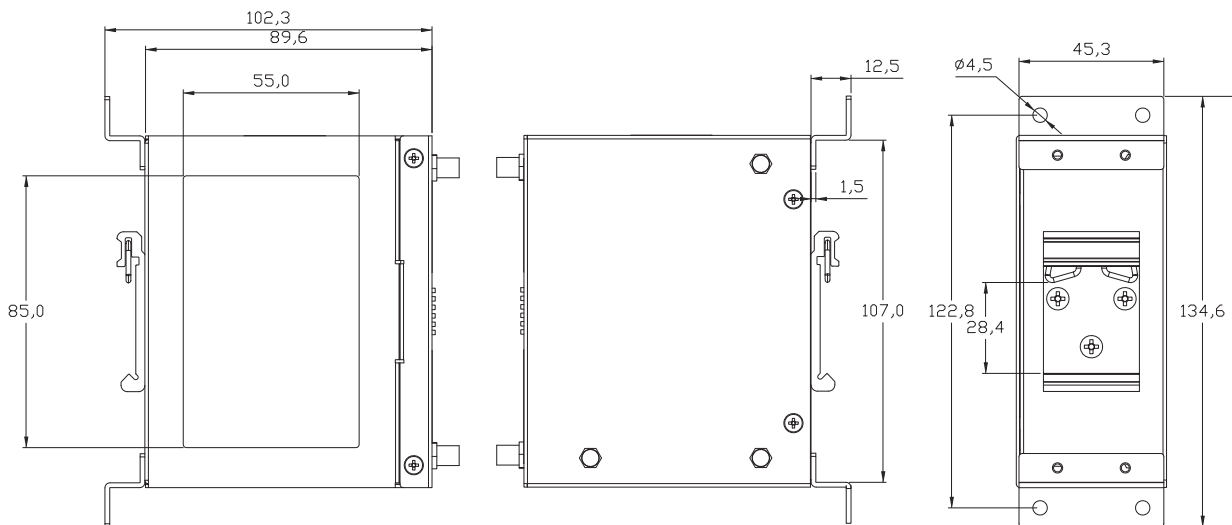
Top and Bottom View



Left Side View

Right Side View

Rear View



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