



Industrial Networking Solutions

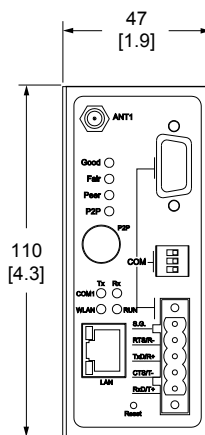
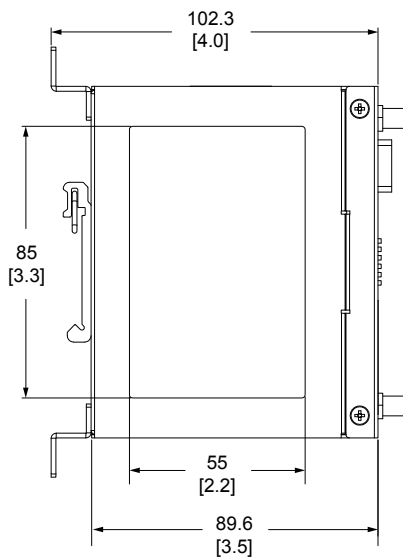
Serial Device Servers



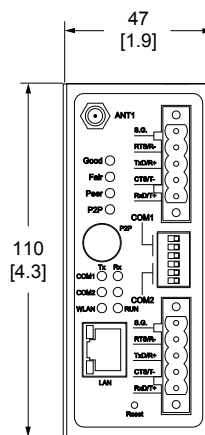
Wireless/Cellular Serial Device Servers | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating



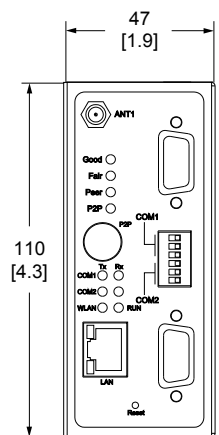
Industrial Wireless IEEE 802.11 b/g/n Serial Device Servers				
Part Number [MFG #]	RS-232 RS-422 RS-485 TB5	RS-232 RS-422 RS-485 DB9	10/100 RJ45 Ports	Features
E45WSS-DB9-TB5-P2P [SW5501C]	(1)	(1)	1	Wireless Distribution System (WDS)
E45WSS-2TB5-P2P [SW5502C-TB]	2	N/A	1	
E45WSS-2DB9-P2P [SW5502C]	N/A	2	1	



E45WSS-DB9-TB5-P2P



E45WSS-2TB5-P2P



E45WSS-2DB9-P2P

Feature Highlights:

- Designed for 802.11 b/g/n networks
- Web server/Utility configuration (Serial Manager)
- Upgrade via Serial Manager or Web server
- FCC (United States), ETSI (Europe) certified wireless equipment
- RS232/422/485 software selectable
- D-sub9 or TB5 combo serial port (SW5501C)
- Support Wi-Fi Direct (Peer-to-Peer)



Industrial Networking Solutions

Specifications & Approvals



Wireless/Cellular Serial Device Servers | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating

Network Interface		
Connector	RJ-45	
Speed	IEEE802.3u, 100Base-T(X)	
Power Management		
Input Voltage	9VDC - 48VDC	
Input Current(9VDC)	0.65A	
Power Consumption	Approx. 5.85Watts	
Reverse Polarity Protection	Yes	
Connector	5.08mm 3-pin Lockable Terminal Block	
Mechanicals		
Reset Button	Yes	
Wi-Fi Direct(P2P) Button	Yes	
Environmental Limits		
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)	
Storage Temperature	-40° ~ 85°C (-40~ 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, WPS, Syslog	
Configuration	Serial Manager, Web UI	
Virtual COM	Windows / Linux redirection software	
Serial Interface		
Connector	E45WSS-DB9-TB5-P2P	D-Sub9 or TB5 combo RS-232/422/485 software selectable
	E45WSS-2TB5-P2P	D-Sub9 RS-232/422/485 software selectable
	E45WSS-2DB9-P2P	5.08mm TB5 RS-232/422/485 software selectable
Ports	E45WSS-DB9-TB5-P2P	1 Port
	E45WSS-2DB9-P2P	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

Link Modes				
TCP Server		4 connections, Virtual COM, or Reverse Telnet		
TCP Client		Single destination or Virtual COM		
UDP		Up to 4 ranges of IPs		
Wireless Characteristics				
Wireless PCI-e Module		Atheros AR9382		
Tx / Rx		1T1R MIMO (1 x 1 with MCS 0-7)		
Standard Conformance		802.11b, 802.11g, and 802.11n		
Antenna		3/5 dBi antenna design, SMA(R) Female connector		
Regulatory Approvals				
Safety		UL60950-1/CB, EN60950-1		
EMC		EN 301489-1 V1.9.2, EN301489-17 V2.2.2 (Class A), FCC 15B (Class A)		
Radio		FCC 15C 15.247, FCC 15E 15.407, EN 301893 V1.7.1, EN 300328 V1.8.1		
EMF		EN 62311: 2008, EN 50385: 2002		
EMS Test	Item		Value	Level
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±4KV ±8KV	2 3
IEC 61000-4-3	RS	Radiated (Enclosure)	3(V/m)	2
IEC 61000-4-4	EFT	AC Power Port DC Power Port Signal Port	±2.0 KV ±0.5 KV / ±1.0 KV ±0.5 KV	3 1/2 2
IEC 61000-4-5	Surge	AC Power Port	Line-to-Line±1.0 KV / Line-to-Earth±2.0 KV	3
		DC Power Port	Line-to-Earth±0.5KV / ±1.0 KV	1/2
		Signal Port	Line-to-Line±1.0 KV / Line-to-Earth±1.0 KV	2
IEC 61000-4-6	CS	Conducted (Enclosure)	3 V rms	2
IEC 61000-4-8	PFMF	Enclosure	3(A/m)	2
IEC 61000-4-11	DIP	AC Power Port	-	-
Shock		IEC 60068-2-27		
Drop		IEC 60068-2-32		
Vibration		IEC 60068-2-64		
MTBF		22 years (MIL-HDBK-217F)		
RoHS		Yes		
Warranty		5 Years		