



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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1-Port Industrial Serial Device Server

■ ■ SE5001A

RoHS-compliant

- Industrial EMC protection
- Rugged metal case with wall or DIN-Rail mount
- 10/100Mbps Fast Ethernet full duplex auto negotiation
- TCP Server/Client, UDP, Virtual COM and Tunneling modes supported
- Remotely monitor, manage, and control industrial field devices
- Configuration via Web Browser / Serial Console / Telnet Console / Windows Utility
- Remote firmware upgrade

Make Serial Devices Ready to the Network

The Industrial Serial Server SE5001A is a cost effective gateway for Ethernet (TCP/IP) and serial signal communications; allowing almost any serial device to be connected to a new or existing Ethernet network.

By encapsulating serial data and transporting it over Ethernet, SE5001A offers full-duplex and bi-directional data seamlessly between the serial port and the Ethernet network.

Easy to Use

Flexible configuration options enable this unit to be setup over Ethernet by Telnet, Web Browser, Serial Console, or our Windows Utility. Packed in a rugged metal housing for wall or DIN-Rail mount with 9~48VDC wide range power input, SE5001A is ideal for almost any industrial and manufacturing automation process.

Atop Virtual COM software provides a virtual environment for applications when accessing SE5001A through TCP.

Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5001A is used as a field device to connect the Ethernet through TCP/IP protocol directly. It is also specially designed for conjunction with PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-Light Systems.

1-Port Industrial Serial Device Server

SE5001A

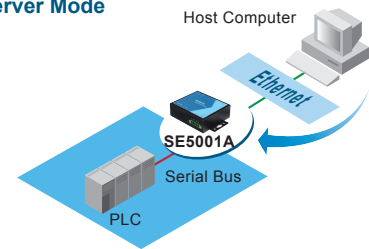
Specifications				
Network Interface				
Ethernet	1x RJ-45 IEEE802.3 10/100Mbps, Auto MDI/MDI-X			
Serial Interface				
Connector	D-Sub9 RS-232/422/485 software selectable 3.81mm TB5 RS-232/422/485 software selectable (TB models)			
Ports	1-port			
Baud Rate	1200~230Kbps			
Data Bits	7,8			
Stop Bits	1,2			
Flow Control	None, Xon/Xoff, RTS/CTS			
Power Characteristics				
Input Voltage	9VDC - 48VDC			
Input Current(9VDC)	0.30A			
Power Consumption	Approx. 2.70W (max)			
Reverse Polarity Protection	Yes			
Connector	5.08mm 3-pin Lockable Terminal Block			
Mechanicals				
Dimensions(W x H x D)	75mm x 85mm x 28mm			
Installation	Wall mount, DIN-Rail (optional)			
Reset Button	Yes			
Weight	200g			
Environmental Limits				
Operating Temperature	0°C ~ 60°C (32° ~ 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, HTTP, Telnet, RFC2217			
Configuration	Serial Manager, Web UI, Telnet			
Virtual COM	Windows / Linux redirection software			
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			
Regulatory Requirements				
EMC	EN 55022: 2007, EN 55024: 2010, FCC Part 15 Subpart B Class A			
Safety	EN 60950-1: 2011 / IEC 60950-1:2009			
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
		DC Power Port	±2.0 KV	3
IEC 61000-4-5	Surge	Signal Port	±2.0 KV	4
		AC Power Port	Line-to-Line±2.0 KV	4
		AC Power Port	Line-to-Earth±4.0 KV	4
		DC Power Port	Line-to-Line±0.5 KV	2
		DC Power Port	Line-to-Earth±1 KV	2
		Signal 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 Power Port means tested through the adapter in the accessories

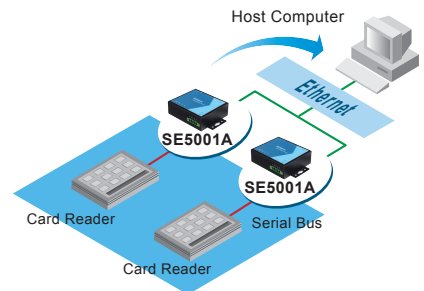
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
RoHS	Yes
MTBF	(TBD)
Warranty	5 years

Ordering Information	
SE5001A S.S.	1P1SE5001A0001G
1-port Industrial Serial Device Server, D-Sub	
SE5001A-TB S.S.	1P1SE5001A0002G
1-port Industrial Serial Device Server, Terminal Block	
Optional Accessories	
UN315-1212 (US-Y)	50500151120003G
Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6	
UNE315-1212 (EU-Y)	50500151120013G
Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6	
ADP-DB9(F)-TB5	59906231G
Female DB9 to Female 3.81mm TB5 Converter	
DK-25	30200000000022G
Plastic DIN-Rail Kit	

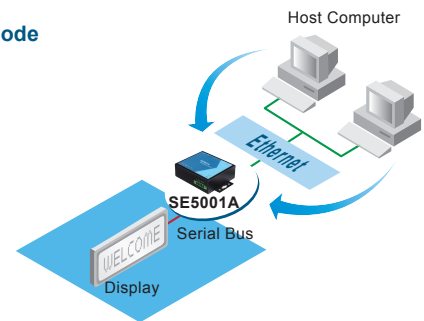
TCP Server Mode



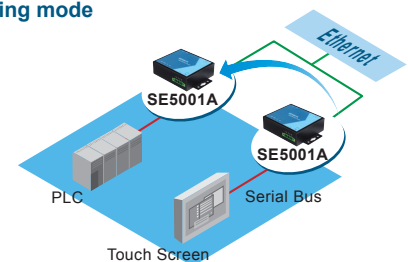
TCP Client mode



UDP mode



Tunneling mode



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CA_SE5001A_E : v2-170630