Serial Over IP Device STE-502C Serial-Ethernet Server Setup

Last Modified on 06/24/2025 10:43 am CDT

This document describes how to setup and configure the STE-502C Serial-Ethernet Server. This information can also be used as a general guide when setting up other Serial-Ethernet Server models. Also refer to the STE-502C User's Manual which is available on the CD included with the device.

Setup

Once the device is plugged into the network, insert the DVD. Open the folder for the appropriate brand of Devolinx or Antaria device and navigate to the *CONFIG* folder. Double-click **MONITOR**.

	en			
🔆 Favorites	Name	Date modified	Туре	Size
🧮 Desktop	GW21LE.DLL	01/22/2009 4:40 PM	Application extens	124 KI
鷆 Downloads	X MONITOR	01/22/2009 4:40 PM	Application	260 KI
🔛 Recent Places	SEG.CFG	01/22/2009 4:40 PM	CFG File	1 KI
	📳 Setup_SerialMgr_AA_v481	03/26/2012 12:27	Application	8,288 KB

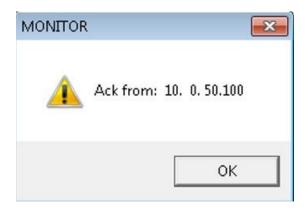
Select the device and choose Config.

🔀 monitor ver2.51							
Broadcast IP 255.255.255.255 210.243.245.181 202.39.254.255	Wist		- Lo	cate			
255.255.255.255	Retry	y 0	Invite	Reset	Config	Exit	
IP Address	MAC Address	Host Name		Gateway		Subnet M	ask
 10. 0. 50.100	00:60:E9:0B:93:CC	name		10. 0. 0	.254	255.255.	0. 0

Edit the information and designate fields as desired to match the domain's network.

MAC addr.	00:60:E9:0B:93:CC	
IP address	10.0.50.100	🗆 Auto IP
GateWay	10.0.0.254	
Mask	255.255.0.0	Config Now
User ID	admin	
Password		Cancel
Host Name	name	

The Devolinx or Antaria device will beep several times and the window below will appear to show changes have been made.



In the CONFIG folder, run the Setup_SerialMgr_AA_v481 application as shown below.

🕽 🍚 🤜 🕨 🕨 Compi	ater DVD Drive (D:) AAXEON STE_5020	C CONFIG		
Organize 👻 🛅 Ope	en			
🚖 Favorites	Name	Date modified	Туре	Size
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Log into the web configuration of the serial server using the static IP address previously assigned.

Setup using a Cardinal Model 205 Scale is as follows:

O TCP Server	TCP Client OUDP
Enable VirtualCOM for Serial/IP	Enable
Pair Connection	Enable
Enable VirtualCOM Authentication (Note: An empty password will fail to authenticate)	Enable
Local Listening Port	4660
IP Filter	Enable, Source IP: 0.0.0.0
Idle Time Before Sending TCP Alive Packet	4 *10 sec (0~255, 0:Disable)
TCP Inactivity Time Before Disconnect	0 sec (0~255, 0:Disable)

COM1

To configure COM port parameters.

Serial Interface	RS-232
Alias Name	COM 1
Baud Rate	9600 🗸
Parity	None Odd OEven OMark OSpace
Data Bits	O 7 bits ● 8 bits
Stop Bits	1 bit O 2 bits
Flow Control	None ORTS/CTS ODTR/DSR OXon/Xoff

Empty Serial Buffer When TCP Connection is Established	● YES ○ No, (Default: Yes)
Data Packet Delimiter	Inter-character Time Gap : 2 msec (0~30000, 0:Disable) Characters : 0x0d ("0x" + Hex Code, e.g. "0x0d" or "0x0d0a")
COM Type Selection	● RS232 ○ RS485 ○ RS422

The COM Type Selection is based on the Scale used. Refer to the Scale Manual as to what type to select.

Open the Serial/IP Control Panel window.

Select the COM port to use and configure it using the static IP address and port number established in the web configuration. Make sure the *Restore Failed Connections* option is checked.

)M23	Configuration of COM23	IP Address:	Port Number:
	Connect to server:	10.100.100.184	4660
	Configuration Wizar		ettings To
	User Credentials	κ	Y
	COM Port Options	ections	
1			
elect Ports			
ort Monitor			

Select **Configuration Wizard** to confirm proper settings.

P Addres	ss of Server:	Port Number:
10.100.1	00.184	4660
Jsemam	e:	Password:
Status:		
🗸 Tryir	ng 10.100.100.184	
🧹 Conr	nected to Server	
1.1.1	Port Control Support Detected	E
· · · · · · · · · · · · · · · · · · ·	et Protocol Detected	
🗸 Sess	sion Completed	-
.og:		
^B	OLG	
Recomm	endations:	E
Frotoc	ol: Telnet	
COM Po	ort Option: DTR Emulat:	ion disabled
COM Po	ort Option: DSR Emulat:	ion disabled
COM Po	ort Option: DCD Emulat:	ion disabled
COM Po	ort Option: CTS Emulat:	ion disabled
Securi	ty: Disabled	

If the result is as shown above, choose Use Settings.

Change the COM port selection in Agvance to match the designated COM port selected above.