Setup Guide for Serial to Ethernet Converter TU-S9E



Connect the TU-S9 directly to your network. Make sure that the computer you are using is on the same network.

To create a serial COM port on your computer which the TU-S9E can connect through, you need to install the AXR2E Configuration Utility from our website

After installing the "AXR2E_Configuration_Utility_Setup" file (either the 32-bit version or the 64-bit version) <u>Make sure to start the software as Administrator</u>, otherwise you might not be able to create a COM port successfully. To always have the utility run as Administrator right click on the AXR2E Configuration Utility shortcut on your desktop and click properties. Click on the compatibility tab. Under Settings. Make sure that "Run this program as an administrator" is checked. Click Apply then OK

😥 AXR2E Configu	AXR2E Configuration Utility Properties						
Security	Details	Previous Versions					
General	Shortcut	Compatibility					
If this program isn't try running the com Run compatibilit	working correctly on thi patibility troubleshooter y troubleshooter	is version of Windows,					
How do I choose c	ompatibility settings ma	nually?					
Compatibility mod	e		-				
Run this progr	am in compatibility mod	le for:					
Windows 8		\sim					
			- 1				
Settings		13					
Reduced colo	r mode						
8-bit (256) color	\sim						
Run in 640 x 4	180 screen resolution						
Disable fullscr	een optimizations						
Run this progr	am as an administrator	1					
Register this p	rogram for restart	-					
Change hig	h DPI settings						
Change setti	ngs for all users						
	ОК	Cancel App	ly				

If your computer has more than one network connection, make sure to select the network interface that is in the same subnet as the TU-S9E.

Selecting a network interface						
Multiple network interfaces are detected!						
Please select a network interface properly:						
Notice de later for a	192 168 20 171					
Network Interface	192.168.1.35					
	192.168.20.171					

Click the "Search" button once the software is open

System	Search	Device Setup	Reboot	Firmware
Setting	IP Search	Web Browser	Restore	Upgrade
Status Id Progress	le			
Devices List				

Click Broadcast then click Search

Devices Searching		×
O Multicast	 Broadcast 	Search
IP 225.1.2.3 ∏L 1 I Loopback	IP 255.255.255.255	Cancel

The software should now find the TU-S9E and list it as shown below. Make a note of the IP address as it will be used later.

RE AXR2E Configuration Utility v	1.6.0								
File View Help									
<u>21</u> 20 🖇 🖶 🐿									
Device Management	System	Search	Device Setup	Reb	oot	Firmware 🗆 Us	e Externa	l Browser	
Virtual Serial Port	Setting	IP Search	Web Browser	Rest	tore	Upgrade 🗆 Se	arch After	Applicatio	on Start
M Device Monitor	Status I	dle							
DHCP Server	Devices List								
TS TFTP Server	NO.	Device Name	MAC Addr	ess	DHCP	IP	Port	Mode	Status
COM Port Terminal	□ 1	TU-S9E	00-0E-C6-00-	-00-45	Enable	192.168.20.165	5000	Server	Connected
Virtual COM Ports									
						G.			

Go to the "Virtual Serial Port" menu and click the "Add" button:

R AXR2E Configuration Utility v1.6.0

File View Help		
<u>21</u> 20 🖇 🖶 🗃	C	
D Device Management	Virtual Port Virtual Port / Network Configuration	Demote Hast Det
Virtual Serial Port	Add Connect Connect Remote Host IP	0
M Device Monitor	Remove Close Client Enable Flow Control Packet	
DS DHCP Server	Setting Listen Port	
TFTP Server		
C COM Port Terminal	Virtual Serial Ports List	\searrow

If you are getting an "Open COM port DB failed" error when you click the "add" button, then it is because you did not run the AXR2E Configuration Utility as Administrator.



Select an available COM port number:

COM Port Configuration			Х
COM Port Number			
COM2	•	ОК	
		Cancel	

The COM port should now be listed in the Virtual Serial Ports List:

ile View Help File 20						
Device Management	-Virtual Port-	Network	Virtual Port / No	etwork Configuration ptocol — Remote I	n Host IP	Remote Host Por
Virtual Serial Port	Add	Connect	CTCP ·	O UDP 192 .	168 . 0 . 2	5000
M Device Monitor	Remove	Close	Client	🗹 Enabl	e Flow Control Packe	l Packet
DHCP Server		Setting	Listen Port		ect at windows Start	
TS TFTP Server						
COM Port Terminal	Virtual Serial P	d a virtual serial p orts List	ort successfully			
∃ Virtual COM Ports	Port ID Port	Name	Status	Remote IP	Remote Port	
COM2	12 COM	M2	Idle			
	111					

Select the COM port and click Setting

File View Help						
D Device Management	-Virtual P Add	ort Network Connect	Virtual Port / Netwo	rk Configuration – ol – Remote Hos DP 192 . 16	tilP 8.0.2	Remote Host Port
M Device Monitor	Remo	Close	Client	I Enable F □ Connect	low Control Packe at Windows Start	t
DS DHCP Server		Setting	Listen Port			
COM Port Terminal	Status Virtual Se	Added a virtual serial po rial Ports List	ort successfully			
⊡ Virtual COM Ports	Port ID	Port Name	Status F	Remote IP	Remote Port	
COM2	12	COM2	ldle			

Enter the IP address of the TU-S9E in the Remote Host IP Field. In this example it will be 192.168.20.165. *Disable* "Enable Flow Control Packet" and click OK.

R AXR2E Configuration Utility v	1.6.0					
File View Help						
<u>21</u> 20 🔋 🖬 🛳						
Device Management	-Virtual Port	Network	Virtual Port / Net	work Configuration –		
Virtual Serial Port	Add	Connect	Connection Prot O TCP O Mode	UDP Remote Hos	st IP 68 . 20 . 165	Remote Host Port 5000
M Device Monitor	Remove	Close	Client Client	Connect	low Control Packe	
DS DHCP Server		ок	Listen Port			
TS TFTP Server		L				
COM Port Terminal	Status Addeo Virtual Serial Po	l a virtual serial port orts List	successfully			
Virtual COM Ports	Port ID Port	Name	Status	Remote IP	Remote Port	
COM2	12 CON	12	ldle			
						Q

Click the "Connect" button and the COM port should be ready to use on your computer

RE AXR2E Configuration Utility v1	1.6.0					
File View Help						
<u>21</u> 20 🖇 🖶 🛳						
Device Management	Virtual Port	Network	Virtual Port / Net	work Configuration -		
Virtual Serial Port	Add	Connect	Connection Proto TOP C Mode	UDP 192 . 10	stIP 68 . 20 . 165	5000
M Device Monitor	Remove	Close	Client	Enable F	Tow Control Packet	
DS DHCP Server		Setting	Listen Port		at windows Start	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
TS TFTP Server						
C COM Port Terminal	Status Conn Virtual Serial P	iected to remote host Ports List	192.168.20.165@	25000		
E. Virtual COM Ports	Port ID Port	t Name	Status	Remote IP	Remote Port	
COM2 (192.168.20.16	12 CO	M2	Connected	192.168.20.165	5000	
< >						

Check in Windows Device Manager to see if the COM port has been successfully created. After you verified the COM port power cycle the TU-S9E and it should be ready to use

🗄 Device Manager — 🗆	×
File Action View Help	
> ଃ Bluetooth	^
> 💻 Computer	1.0
> 👝 Disk drives	
> 🏣 Display adapters	
> 🏧 Human Interface Devices	
> 📷 IDE ATA/ATAPI controllers	
> 🥅 Keyboards	
> III Mice and other pointing devices	
> 🛄 Monitors	
> 🖵 Network adapters	
V 🛱 Ports (COM & LPT)	
🛱 ASIX Virtual Serial Port (COM2)	
Communications Port (COM1)	
🛱 Printer Port (LPT1)	~