RIBER ADDON VG SEMICON

Lantronix

xDirect

RS232 over Ethernet

Installation procedure

- Technical instructions-



Date	Version	Descriptions
06/02/2020	Original	Création du document (FC)

RIBER ADDON VG SEMICON

SOMMAIRE

1.	INTRODUCTION	3
2.	REFERENCE AND IDENTIFICATION	3
3.	HARDWARE INSTALLATION	3
4.	SOFTWARE INSTALLATION	3
5.	IP ADDRESS CONFIGURATION AND RS232 PARAMETERS	3
6.	USE WITH CRYSTAL XE	7

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1. Introduction

This module should be first configured using a special software before communicating with.

2. Reference and identification

RIBER Article code: 652 605 38 A

Désignation : CONV. ETH/RS232 XDIRECT Product reference : XDT2321002-01-S Manufacturer : Lantronix Provider : RS (Radiospares) Provider reference : 783-2747

3. Hardware installation

CAUTION: The pinout of the SubD-9 pins is reversed from the pinout on the RS232 computer side.

It can be directly connected on the connector of the device like the Lakeshore 218S.

4. Software installation

Download the software from <u>http://www.crystalxe.com/</u> (in docs and driver tab) or from the manufacturer web site <u>http://www.lantronix.com/downloads</u> or search on google for the software DeviceInstaller from Lantronix.

Execute the DeviceInstaller program to install it.

5. IP address configuration and RS232 parameters

Once the software installation is done, click on the Windows start button, navigate to the Lantronix folder and click on DeviceInstaller.



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The software should find the device, see the screenshot below:

😰 Lantronix DeviceInstaller 4.4.0.7				1 <u>212</u> 3	×
<u>File Edit View D</u> evice <u>T</u> ools I	<u>H</u> elp				
🔎 Search 🛛 🚳 Options 🤤 Exclude 🛭 🗞 A	Assign IP 🛛 🚷 Upgra	ade 🛛 🚳 Import Provisioning File 🗟 Generate	e Device File		
E Lantronix Devices - 1 device(s)	Device Info Confi	iguration Records Status Records Web Configur	ration Telnet Configuration		
	Reload Info				
ADT232 - firmware v6.9		Property	Value		
169.254.52.110		Name	XDT232		^
		DHCP Device Name			
		Group			
		Comments	0.6.72.7		
		Device Family	XDirect		
		Туре	XDirect		~
		<			>
🔽 Ready					

In the toolbar, click on "Assign IP"

Asign IP Address	Assignment Hethod Would you like to specify the IP address or should the unit get its settings from a server out on the network? Obtain an IP address automatically (a) Assign a specific IP address TCP/IP Tutoxial	×
	< Back Next > Cancel	

Select "Assign a specific IP address" and click on "Next"

lange Assign IP Address		×
	IP Settings	
	Please fill in the IP The subnet will be it for accuracy. In impossible for you disruption.	address, subnet, and gateway to assign the device. filled in automatically as you type, but please verify correct values in any of the below fields can make it ur device to communicate, and can cause network
	IP address:	192.168.0.58
	Subnet mask:	255.255.255.0
	Default gateway	0.0.0.0
*		
	<	Back Next > Cancel

Enter the IP address and click on "Next"

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Asign IP Addres	Assignment Click the Assign button to complete the IP address assignment. Assign	×
	< Back Finish Cancel	

Click on « Assign »

Asign IP Address	Assignment Click the Assign button to complete the IP address assignment.	×
	Progress of task: Completed successfully.	•

Click on the web configuration tab and click on the green arrow button like this:



Sécurité Windows	×		
DeviceInstaller.exe	DeviceInstaller.exe		
Le serveur 192.168.0.58 demande mot de passe.	Le serveur 192.168.0.58 demande votre nom d'utilisateur et votre mot de passe.		
Ce serveur signale également : «	(null) ».		
Avertissement : votre nom d'utilisateur et votre mot de passe seront envoyés en utilisant l'authentification de base sur une connexion qui n'est pas sécurisée.			
Mémoriser mes informations d'identification	5		
OK	Annuler		

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Normally, no username or password is required. Just press OK. However if necessary, the login and password to be used are "admin / PASS"

, Lantronix DeviceInstaller 4.4.0.7	
le Edit <u>V</u> iew <u>D</u> evice <u>T</u> ools <u>H</u> elp	
iearch 💿 Options 🤤 Exclude 💊 Assign IP 🔮 Upgrade 🛛 🚳 Import Provisioning F	ile 📧 Generate Device File
Lantronix Devices - 1 device(s) Device Info Configuration Records Status Records	Web Configuration Telnet Configuration
E-see Ethemet 4 (192.168.0.10) → XDirect Address: http://192.168.0.58/secure/	tx_conf.htm 🔹 🔁 🤔 🧐 💬
**************************************	LANTRONIX°
企	Serial Settings
Network	
Serial Tunnel	
Hostlist	Senal Port
Channel 1 Port Settings	
Connection Protocol: RS23	Flow Control: None
Apply Settings Baud Rate: 9600	✓ Data Bits: 7 ✓ Parity: Odd ✓ Stop Bits: 1 ✓
Apply Defaults	2
	Packing
Idle Gap In	ne: 12 msec 🗸
Match 2 Byte Sequer	ice: 🔍 Yes 🖲 No Send Frame Immediate: 🔍 Yes 🖲 No
Match By	tes: 0x ⁰⁰ 0x ⁰⁰ Send Trailing Bytes: None One Two (Hex)
Flush Mode	
Flush Input Buffer	Flush Output Buffer
With Active Conn	ect: ○Yes ●No With Active Connect: ○Yes ●No
With Passive Conn	ect: ○Yes ●No With Passive Connect: ○Yes ●No
At Time of Disconn	ect: ○Yes ●No At Time of Disconnect: ○Yes ●No
	OK
WebManager Version: 2.0.0.0	Copyright @ Lantronix, Inc. 2007-2012. All rights reserved.

When done, click on Apply settings in the left menu:

ຜ
Network
Server
Serial Tunnel
Hostlist
Channel 1
Serial Settings
Connection
Apply Settings
Apply Defaults

Wait for the installation to finish:

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Then Installation is done.

6. Use with Crystal XE

Instead of using a serial communication port, use a socket TCP/IP like this:

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KE Hardware configuration		• •
File Templates Tools		
Main G Global variables S Simulation mode Architecture G S Chamber 1 G Chamber 1 G Devices	Graphical view Tree view List view	Devices palette By category By file name S Sutter controller Substrate noise Flow Flow Flow Flow Flow Flow Flow Flow
	Restore default data wher	n dosing Ok Cancel

The port must be 10001

