Profort A/S



Guide: Piccolo with Ethernet POE receivers:

The Piccolo system can communicate with all its alarm receivers through an Ethernet POE network. The system is set up as shown on the sketch below. None of the alarm receivers need to be supplied from an external supplier since they get voltage from the Ethernet POE.



All units on Ethernet need to have their own IP-address. All units are 'born' with individual IP-addresses.

Alarm receivers POE are all pre-programmed to function in a Piccolo IP-network, but below is described the set-up if you wish to change IP-addresses or other settings:

Install the program that is needed for changing the units on the Ethernet. The program is from Lantronix and can be downloaded from their website <u>www.lantronix.com</u> under the name DeviceInstaller.

Place all alarm receivers POE and Ethernet POE box in same network and use always a closed Ethernet for Piccolo. Observe that all units have lit in both diodes. Start DeviceInstaller and you will get following screen image:

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File Edit View Device Tools Help							
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Entronix Devices - 4 device(s)	Туре	Name	Group	IP Address	Hardware Address	Status	
E LAN-forbindelse (192.168.2.138)	2UDS1100			192.168.2.254	00-20-4A-E6-4F-08	Online	
H Pico	Servico Service Servic			192.168.2.134	00-80-A3-93-50-C4	Online	
	Servico Service Servic			192.168.2.135	00-80-A3-93-54-2D	Online	
	Servico Servic			192.168.2.136	00-80-A3-93-52-19	Online	

In this example, the program will find the unit which is in connection with the PC interface (UDS1100) and 3 alarm receivers POE.

Double-click on UDS1100 and press tap 'web configuration'. Place cursor in the address bar and press 'Enter'. Press 'OK' in the pop-up box (username or password are not needed). Following screen image comes up.



Go to 'NETWORK' and change the IP-address of the unit to e.g. 192.168.2.254 and Subnet Mask to 255.255.255.0. Then press 'OK'.

Lantronix DeviceInstaller 4.3.0.7			
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Entronix Devices - 4 device(s)	Device Details Web Configuration Telnet Configuration		
⊟-gg LAN-forbindelse (192.168.2.138)	C Address: http://192.168.2.254/secure/ltx_conf.htm		- 🔁 ぞ 🔍 🗭 🖼
UDS1100 - firmware v6.8.0.2 		Firmware Version: V6.8.0.2 MAC Address: 00-20-4A-E6-61-A8	
	<u>ය</u>	Network Settings	_
	Network		
	Serial Tunnel Network Mode: Wired Only -		
	Hostlist IP Configuration		
	Channel 1 Serial Settings Obtain IP address a	automatically	
	Connection Auto Configuration M	Methods	
	Apply Settings BOOTP: @	Enable 🔘 Disable	
	DHCP: @	🖲 Enable 🔘 Disable	
	Apply Defaults	🖲 Enable 🔘 Disable	
	DHCP Host Name:		
	Use the following IP	onfiguration:	
	IP Address: 15	92.168.2.254	
	Subnet Mask: 25	255.255.255.0	
	Default Gateway: 0.	0.0.0.0	
	DNS Server: 0.	0.0.0	
	Ethernet Configuration		
	Auto Negotiate		
	Speed: @	🖲 100 Mbps 🔵 10 Mbps	
	Duplex: @	🖲 Full 🔘 Half	
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Go to 'Serial Settings' and set up the unit to: RS485-2wire, Flow control –None, Baud Rate-38400, Data Bits-8, Parity-None and Stop Bits-1. Then press 'OK'.

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UDS1100 - firmware v6.8.0.2 ↓ 192.168.2.254 ⊕ ♠ xPico	Firmware Version: V6.8.0.2 MAC Address: 00-20-4A-E6-61-A8	
	ය Serial Settings	
	Network	_
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	Hostlist Disable Senal Port	
	Channel 1 Port Settings	
	Connection Protocol: RS485 - 2 wire Flow Control: None	1
	Apply Settings Baud Rate: 38400 V Data Bits: 8 V Parity: None V Stop Bits: 1 V	
	Pack Control	_
	Apply Defaults Enable Packing	
	Idle Gap Time: 12 msec 💌	
	Match 2 Byte Sequence: Ves Ves No Send Frame Immediate: Ves No	
	Match Bytes: 0x00 0x00 Send Trailing Bytes: None One Two (Hex)	,
	Flush Mode	_
	Flush Input Buffer Flush Output Buffer	
	With Active Connect: Yes No With Active Connect: Yes No	
	With Passive Connect: Yes INO With Passive Connect: Yes INO	
	At Time of Disconnect: O Yes O No At Time of Disconnect: Yes O No	
	ОК	
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Go to'Connections' and set up the unit to: Protocol-UDP, Use Broadcast and Remote Port 10001. Then press 'OK'.

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LAN forbindelse (192.168.2.138)	Address:	http://192.168.2.254/secure/ttx_conf.htm	- 🖸 ぞ 🔕 🐢 🖬
i → ↔ UDS1100 - firmware v6.8.0.2 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	LANTR	ONIX [®] Firmware Version: V6.8.0.2 MAC Address: 00-20-4A-E6-4F-08	
	企 Natural	Connection Settings	
	Server Serial Tunnel Hostlist Channel 1 Serial Settings Connection Apply Settings	Channel 1 Connect Protocol Protocol: UDP Datagram Mode: Datagram Type: 01 Accept Incoming: No Endpoint Configuration: Local Port: 10001 Remote Port: 10001	
		Remote Host 0.0.0.0	
		No. Dev Addr No. Dev Addr No. Dev Addr 0 0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 11 0 12 0 13 0 14 0 15 0	

Press 'Apply Settings' and await acknowledgement from the unit. Now the set-up of the unit, which is in connection with the PC interface, is done.

Program the first alarm receiver POE by opening the file explorer left in the image. Double-click on the first unit and press tap 'web configuration'. Place cursor in the address bar and press 'Enter'. Then press on the 'OK' button in pop-up box. Following screen image comes up.



Go to 'Serial Settings' and set-up the unit to: RS485-2wire, Flow control –None, Baud Rate-38400, Data Bits-8, Parity-None and Stop Bits-1. Then press 'OK'.

😥 Lantronix DeviceInstaller 4.3.0.7		
File Edit View Device Tools Help		
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UDS1100 - firmware v6.8.0.2		
192.168.2.254	Firmware Version: V6.8.0.2	
xPico - firmware v6.8.0.2	MAC Address: 00-80-A3-93-52-19	
192.168.2.201 192.168.2.202	☐ Serial Settings	
192.168.2.203	Network	
Lange 192.168.2.204	Serial Tunnel	
	Hostlist	
	Channel 1 Port Settings	_
	Connection Protocol: RS485 - 2 wire Flow Control: None	
	Configurable Pins Baud Rate: 38400 ▼ Data Bits: 8 ▼ Parity: None Stop Bits: 1 ▼	
	Apply Settings	—
	Pack Control	
	Apply Defaults	
	Idle Gap Time: 12 msec 💌	
	Match 2 Byte Sequence: O Yes O No Send Frame Immediate: Yes No	
	Match Bytes: 0x00 0x00 Send Trailing Bytes: @ None O One O Two	
	(Hex)	
	Floreb Marda	
	Flush Input Ruffer Flush Output Ruffer	
	With Active Connect O Yes O No With Active Connect O Yes O No	
	With Passive Connect Vac No. With Passive Connect Vac No.	
	At Time of Disconnect: Voc. No.	
	OK	

Go to 'Connections' and set-up the unit to: Protocol-UDP, Datagram Mode 01, Remote Host-192.168.2.254 (that is, the IP-address for the unit in connection with the PC interface) and Remote Port 10001. Then press 'OK'.

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192.168.2.201 192.168.2.202	<u>ش</u>					Conne	ctior	Settings	5					
92 168 2 203 92 168 2 204	Network Server Serial Tunnel Hostlist Channel 1 Serial Settings Connection Configurable Pins	Channel 1 Connect Prot Protoco Datagram Mo	ocol I: UE de:		-		Acco.	at Incoming:	Vor					
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						(OK							

Press 'Apply Settings' and await acknowledgement from the unit. Now the setting of the first alarm receiver POE is finished. Program the rest of the alarm receivers in the same way.

If the Ethernet network in use is slow, it can be necessary to change the settings in Piccolo. In the example below, the response times of the network are changed from standard 100mS to200mS.

Functions --> Set-up --> Network response time = 200 msec.

Or	sætning		Innen a	ar man
	Lyd ved alarm		Modtager kom.port	1 🔻
	SMS aktiv		SMS kom.port	
	SMS kun første alarm		Personsøger kom.port	960
	Personsøger aktiv		CCTV kom.port	
	CCTV aktiv		"Alive" signal til personsøger	
	Batteri lav aktiv		"Alive" signal til CCTV	
	Automatisk afstilling af alarm		Sporing	0 🗸
	Alarm popup aktiv	0 🗸	Jammingovervågning (niveau)	5 🗸
	Vagt funktion	0 -	Senderfeil (min.)	
	Pinkode		Netværk svartid (millisek.)	200
	Signal timeout (sek.)	O	Notreals(a)	10
	Lokation frakoblet timeout (min.)	0	Sprog	Dansk