

Trend to Link IO Integration Guide

Summary:

This manual covers the installation process required to integrate Trend BACnet enabled controllers with the <u>Link IO range of I/O modules</u>.

This current release supports the configuration of the <u>Link IO range of I/O modules</u> listed below:

- LNK-IO20-RS-MOD
- LNK-IO20-IP-MOD
- LNK-IO20-RS-BAC
- LNK-IO20-IP-BAC

Trend controllers supported:

- IQ3xxBAC
- IQ4xxBAC

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1. Link IO Module Setup

Once the Link IO is on, go into the settings to change the IP address to match the same range of the site that you created.



To go to Network Settings click on the button detailed below.





Click in Network Settings.



It will bring up a password entry. Enter the password (default passcode is 1234) this will get you into the settings.





Scroll down to the IP settings and change this to the required IP range.



Once you have setup your IP, your Link IO will be discoverable via BACnet in your SET project.

To change the BACnet device ID repeat the same process but scroll down the BACnet device id.





2. Trend IQ 3xx/IQ4xx BACnet controller setup

Using SET create a new project and in the project, viewer create the Trend BACnet controller under Lan 1 and then open the controller strategy default page.

Project View *	2
Device View	
⊡-□ 📅 Tutorial i - □ 🛟 Lan 001 - Trend Lan i - □ 📻 0s 011 - Trend Controller	

Now add a BACnet network in the device viewer at say address 100 as illustrated below:



Install Bacstac detailed below:





Create a BACnet site in the system view as illustrated below:

System View 🛛 🕹 🖓							
Tutorial 🗸 👔							
Lan: Os: Mod: Find							
Context: Site							
Action: IQ EYE Wizard							
System View							
Refresh complete							
C 🖉 C G							
Sites Sites D- Tutorial Coreal Lan (20) - 10 LAN 20							
🛱 Choose type of site 🛛 🗙							
Choose type of network							
BACnet ~							
Trend TSOM BACnet driver supporting client and server operation							
OK Cancel							

Label the site Link IO. Once set up refresh the site as illustrated below:

System View 4 ×
Tutorial 🗸 👔
Lan: 0 Os: 5 Mod: Find
Context: Device V
Action: Add to Monitor V
System View
TCP connected to 192.168.13.100, port list = 10004,10 No autodialler in use
C C C
Sites Si



Once the device is discovered on the BACnet network then this can be added to the project view in SET as illustrated below:



Add this device as Node 11 and click the button to include the MAC address.

Node Number?	×					
Node: 11						
Include MAC address details in device	es					
MAC addresses should only be used when device ID addressing isn't supported						
OK Cancel						

Once added Go to the device details and change the device name to Link-IO.

≟--⊐🚯 Lan 100 - Link IO └──□🚔 0s 011 - Link-IO

This will be your BACnet site all set up.

Next add the trend blocks to suit your site as illustrated below:





Now once the strategy blocks are added to the SET project the LAN and outstation will need to be changed to the project that has been created.

20 20 40 50 60 7 	ICCor	nms From	Param	eters	?	×	240
	Modu	ile State:		Enable	ed		
	N1	Label	Base D	igital Input 1		~	
	lagut	Protocol:		BACnet 🗸			
Home Capital Ingol 2	mput	Remote Bit:		BI17	Look Up]	
	Para Displa	meters v					
	$\mathbf{\nabla}$	Remote Add	dress:	11			
	\checkmark	Remote Lar	1:	100			
		Message In	terval:	1 Mine	utes		
		COV Mode:		Enable			
	Outp	uts					
	\checkmark	Failed Bit:					
1				OK Ca	ancel		
L							
		<u>⊨</u> ®	Lan 10	 00 - Link IO			
			🗿 O:	s 011 - Link-IO			

All the BACnet points come off the base Link-IO module so if you have the extra LINK-IO16-EXP modules you add the modules into the same project and set the comms modules up as the same LAN and OS number.



If you require any help please contact support@innon.co.uk.

To configure your Link IO devices please visit Innon tool config

To install Link IO please consult the manual foud at <u>http://support.innon.com</u>/ in the Link IO folder.

Congratulations for setting up your Link IO,

Thank you,

The Innon Team