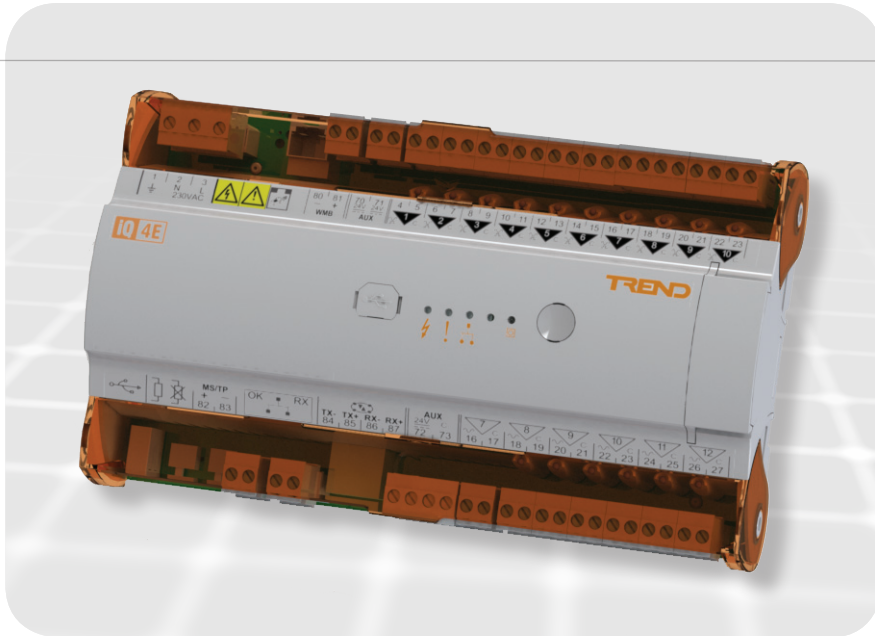


# IQ<sup>®</sup>4E Controller



## OVERVIEW

The IQ<sup>®</sup>4E controller has 10 universal inputs and 6 analogue voltage outputs and is expandable up to 192 points (depending on the controller variant) by adding I/O modules. This flexibility makes it suitable for a broad range of applications.

The IQ4E controller uses Ethernet and TCP/IP networking technologies with embedded XML and is fully compatible with other Trend IQ controllers. The IQ4E supports BACnet over IP as standard. Trend communications over a current loop LAN is available as an option. A local PC or display (e.g. IQView4) can be connected to the RS232 port. A Wallbus port is also provided for use with room displays.

## KEY FEATURES

- 16 onboard I/O channels - 10 inputs and 6 outputs
- I/O bus supports up to a total of 192 I/O channels using additional I/O modules
- I/O bus length up to 300 m
- Ethernet 10/100 Mbps main network with TCP/IP protocol
- Trend current loop LAN option
- Embedded XML Web Services as standard
- BACnet over IP
- Wallbus for connection of local display devices
- RS232 and USB local supervisor/engineering ports
- DIN rail mounting, DIN 19 size 2 standard enclosure
- 230 Vac input power supply

## KEY BENEFITS

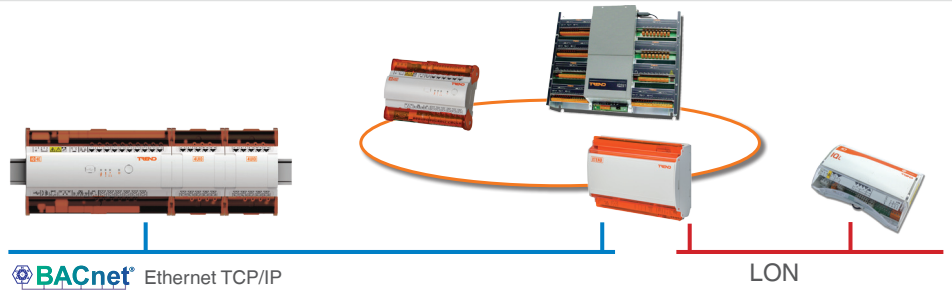
- **Reduced panel size**  
With its small footprint IQ4E can be placed in smaller control panels, lending itself to confined space applications
- **Flexible I/O configuration**  
With the ability to upgrade between its available 16, 32, 64, 96, 128, 160 and 192-point variants, applications of all sizes can have a better matched control solution, thus reducing unused I/O and creating significant cost savings
- **Better performance**  
IQ4E's superior processing performance enables even the most complex HVAC applications to be controlled
- **Longer BUS and Distributed I/O**  
The IQ4E has improved I/O bus capabilities, with an available length of up to 300m and the potential for 30 I/O modules to be configured. Perfect for when I/O is required in other areas of the plant room.
- **Easy to engineer**  
With new strategy modules and soft addressing, IQ4E reduces the amount of time spent on each project. Not only does this reduce cost, it makes better use of a valuable time and engineering resource, particularly when combined with SET 7.0 Voice Commissioning



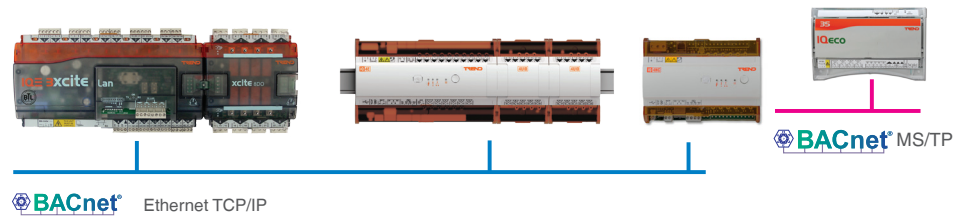
# IQ<sup>®</sup>4E Controller

Better 4 the long term

IQ<sup>®</sup>4E is backwards compatible with IQ<sup>®</sup>2, IQ<sup>®</sup>1 and IQ<sup>®</sup>L



IQ<sup>®</sup>4E compatible with IQ<sup>®</sup>3xcite and IQ<sup>®</sup>eco installations



IQ<sup>®</sup>4E is compatible with IQ<sup>®</sup>3xcite I/O, IQ<sup>®</sup>3xcite is compatible with IQ4E I/O



ORDER CODE	DESCRIPTION	ORDER CODE	DESCRIPTION
<b>IQ4E Controllers</b>		<b>IQ4E I/O Modules</b>	
IQ4E/16/BAC/230	IQ4E with 16 I/O channels and 230 Vac supply	IQ4/IO/16DI	I/O Module with 16 digital input channels
IQ4E/32/BAC/230	IQ4E expandable to 32 I/O channels and 230 Vac supply	IQ4/IO/8DO	I/O Module with 8 digital/relay output channels
IQ4E/64/BAC/230	IQ4E expandable to 64 I/O channels and 230 Vac supply	IQ4/IO/4DO	I/O Module with 4 digital/relay output channels
IQ4E/96/BAC/230	IQ4E expandable to 96 I/O channels and 230 Vac supply	IQ4/IO/8UIO	I/O Module with 8 universal input/output channels
IQ4E/128/BAC/230	IQ4E expandable to 128 I/O channels and 230 Vac supply	<b>IQ4E I/O Connectors</b>	
IQ4E/160/BAC/230	IQ4E expandable to 160 I/O channels and 230 Vac supply	IQ4/IC/TERM/5	Pack of 5 spare I/O bus terminators
IQ4E/192/BAC/230	IQ4E expandable to 192 I/O channels and 230 Vac supply	IQ4/IC/LINK/5	Pack of 5 spare rigid I/O bus interconnectors
IQ4E/16/LAN/BAC/230	IQ4E with 16 I/O channels Trend current loop and 230 Vac supply	IQ4/IC/ADPT/10	Pack of 10 I/O bus cable adapters
IQ4E/32/LAN/BAC/230	IQ4E expandable to 32 I/O channels Trend current loop and 230 Vac supply	<b>IQ4E Upgrades</b>	
IQ4E/64/LAN/BAC/230	IQ4E expandable to 64 I/O channels Trend current loop and 230 Vac supply	IQ4E/16-32/UP	Upgrade from 16 to 32 channels
IQ4E/96/LAN/BAC/230	IQ4E expandable to 96 I/O channels Trend current loop and 230 Vac supply	IQ4E/32-64/UP	Upgrade from 32 to 64 channels
IQ4E/128/LAN/BAC/230	IQ4E expandable to 128 I/O channels Trend current loop and 230 Vac supply	IQ4E/64-96/UP	Upgrade from 64 to 96 channels
IQ4E/160/LAN/BAC/230	IQ4E expandable to 160 I/O channels Trend current loop and 230 Vac supply	IQ4E/96-128/UP	Upgrade from 96 to 128 channels
IQ4E/192/LAN/BAC/230	IQ4E expandable to 192 I/O channels Trend current loop and 230 Vac supply	IQ4E/128-160/UP	Upgrade from 128 to 160 channels
		IQ4E/160-192/UP	Upgrade from 160 to 192 channels

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