IQ 500
Controller

OVERVIEW

Trend's next generation **IQ™5 controller** has been developed to address the sophisticated demands of today's smart building environment, as well as providing a platform for you to build on into the future. As such there are 4 key considerations that your Building Energy Management System (BEMS) must take into account:

SECURITY

IQ5 is designed to meet ISA 62443 security level 3 guidelines; ensuring a risk-based approach to prevent and manage any potential threat

COMPLIANCE

IQ5 is compliant with the very latest specifications i.e. BACNet B-BC and meets modern IT standards. This means IQ5 will integrate seamlessly with other building systems such as lighting and operate securely within your IT infrastructure

OCCUPANT WELLBEING AND PRODUCTIVITY

IQ5 manages your building in accordance with your KPI's. It monitors, measures and provides feedback on your working environment, enabling you to set, control and deliver your priorities
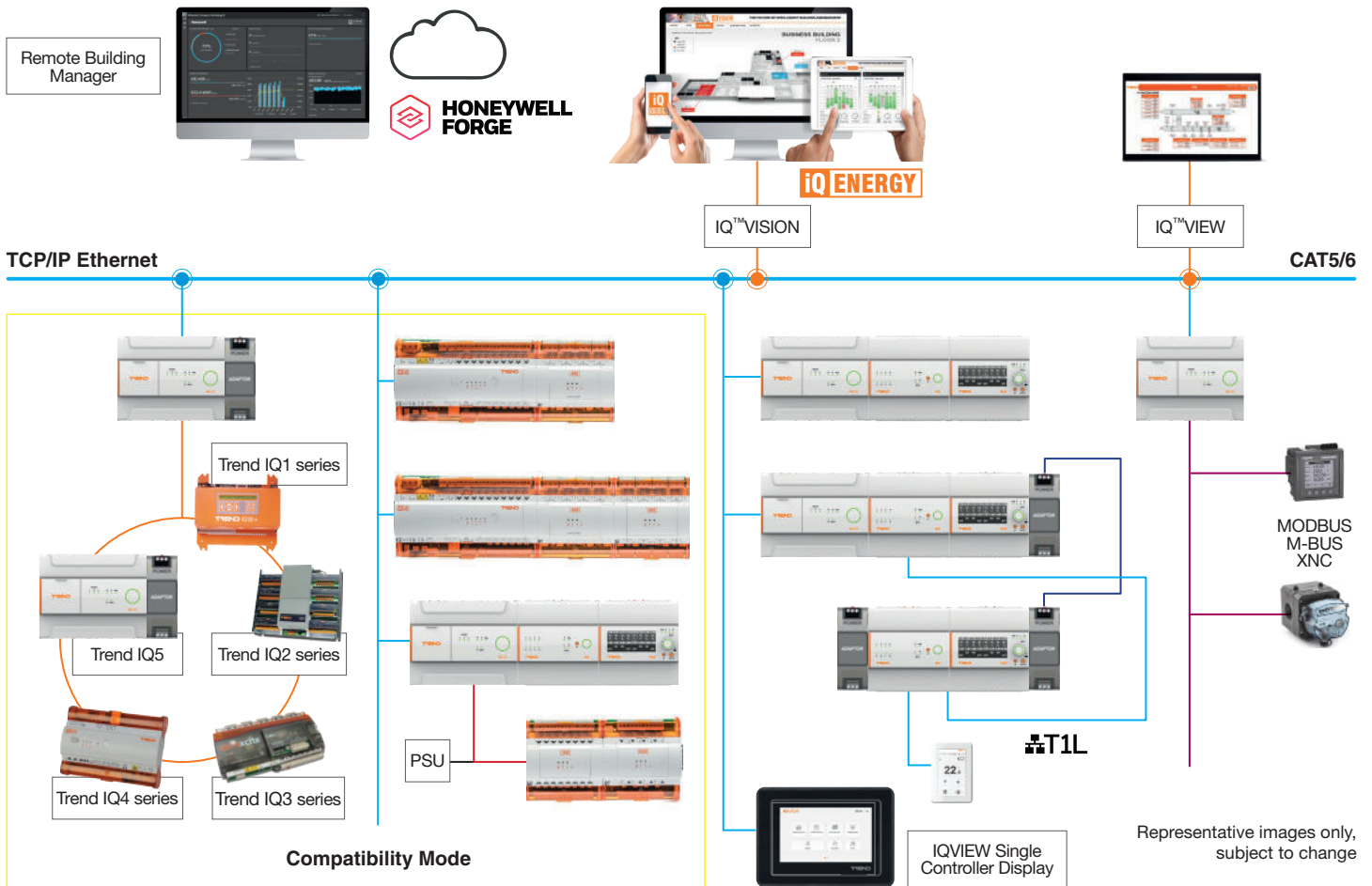
PROTECTING YOUR INVESTMENT

IQ5 ensures you have the flexibility to adapt and extend a site throughout a building's life. Whether your built environment uses Trend IQ™1's, IQ™2's, IQ™3's or IQ™4's, IQ5 will provide seamless control by communicating with earlier controllers

Key Benefits

- Designed to meet ISA 62443 SL3
- T1L high-speed secure bus for IQ5 I/O modules
- Compatible I/O bus for IQ4 and XCITE (IQ3) I/O modules
- Isolated Gigabit Ethernet Port
- 3 Switched Gigabit Ethernet Ports
- 3 onboard RS-485 ports supporting Modbus, M-Bus and MSTP
- Automatic time synchronisation and daylight saving via SNTP
- Embedded XML Web Services as standard
- Surface or DIN rail mounting, DIN 19 size 2 standard enclosure
- USB local Supervisor / Engineering port
- 24 Vac/dc input power supply

TREND

IQ 500

System Architecture

Remote Building Manager

HONEYWELL FORGE

iQ ENERGY

IQ™VISION

IQ™VIEW

TCP/IP Ethernet

CAT5/6

Trend IQ1 series

Trend IQ5

Trend IQ2 series

Trend IQ4 series

Trend IQ3 series

PSU

Compatibility Mode

MODBUS
M-BUS
XNC

T1L

IQVIEW Single Controller Display

Representative images only, subject to change

DESCRIPTION	ORDER CODE
IQ5A with 0 onboard I/O, licensed to 16 I/O channels, expandable to 300 IO channels, 24 Vac/dc supply	IQ5-00-24
IQ5 I/O Module with 16 universal input/output channels	IQ5-IO-16UIO
IQ5 I/O Module with 16 digital input channels	IQ5-IO-16DI
IQ5 I/O Module with 8 digital/relay output channels	IQ5-IO-8DO
IQ5 I/O Module with 8 digital/relay output channels with hand-off-auto display	IQ5-IO-8DO-HOA
Pack of 10 I/O bus cable adapters (for IQ500 controller and IQ5/IO modules)	IQ5-IO-ADPT-10
Pack of 2 I/O bus cable adapters (for IQ500 controller and IQ5/IO modules)	IQ5-IO-ADPT-2
Pack of 10 spare end covers (for IQ500 controller and IQ5/IO modules)	IQ5-IO-END-10
IQ5 base license 50 points	IQ5-50-BASE
IQ5 base license 100 points	IQ5-100-BASE
IQ5 base license 150 points	IQ5-150-BASE
IQ5 base license 200 points	IQ5-200-BASE
IQ5 base license 250 points	IQ5-250-BASE
IQ5 base license 300 points	IQ5-300-BASE
IQ5 base license for BACnet	IQ5-BAC-BASE
IQ5 base license for NC functionality	IQ5-NC-BASE
IQ5 base license for Modbus, Mbus and XNC integration 50 points	IQ5-INT-50-BASE
IQ5 base license for Modbus, Mbus and XNC integration 2500 points	IQ5-INT-2500-BASE
IQ5 base license for Can IO modules	IQ5-CAN-BASE

TECHNICAL DOCUMENTATION

IQ5 Controller Data Sheet TA 201480 (available at product release)

INSTALLATION INSTRUCTIONS

IQ5 Controller Data Sheet TA201480

IQ5 I/O Modules Data Sheet TA201481

IQ5 Controller Installation Instructions - Mounting TG201482

IQ5 Controller Installation Instructions - Configuring TG201483

IQ5 I/O Module Installation Instructions - Mounting TG201484

IQ5 I/O Module Installation Instructions - Configuring TG201485

(available at product release)

For more information, please visit the **IQ5 webpage (link)** or contact one of our team today

TREND