FBXi-X256

IoT Technology that Redefines Building Automation & Controls

FLXEON BACnet®/IP automation control solutions deliver powerful control, connectivity, and visualization for intelligent buildings.

Scalable and modular FLXeon is ideal for central plant and mechanical equipment applications and offers built in security features using Transport Layer Security.

The FBXi Series is a freely programmable range of BACnet Controllers with native BACnet/IP communications support.

FBXi-X256 controller features include;

- Support for up to sixteen FLX (Field Level eXpansion) series extension modules
- Providing up to 256 points of control, and a dedicated input for Cylon room sensors.
- FLX I/O expansion modules are available in a variety of options to allow maximum flexibility in achieving the required point configuration.
- The FBXi-X256 controller supports multi-protocol communications *simultaneously* including BACnet/IP, BACnet MS/TP, Modbus® TCP and Modbus RTU.

The FBXi Series is designed for a wide range of energy management applications for intelligent control of;

- HVAC equipment such as Central Plant, Boilers, Chillers, Cooling Towers, Pump Systems, Air Handling Units (Constant Volume, Variable Air Volume and Multi-zone), and Rooftop Units

- Electrical systems such as lighting control, variable frequency drives and metering
- The FBXi Series can be used as an integration platform and natively supports the routing of either BACnet MS/TP to BACnet/IP or Modbus RTU to Modbus TCP without the need for gateways or additional hardware.

Benefits include;

- No additional proprietary gateways or middleware
- BACnet/IP communications with dual port Ethernet switch (star or daisy chain topology) and support for both DHCP and Static IP
- Multi-protocol communications support for BACnet MS/TP, Modbus TCP, Modbus RTU, HTTP, HTTPS
- Increased bandwidth and speed enable large amounts of data for advanced analytics, performance evaluation and trend logs
- LED status on all I/O channels provides indication of fault or override status
- Compact formfactor to minimize enclosure space

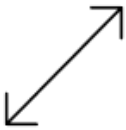
Accessible

Data Can be Accessed From Anywhere and on any Device, to All Users Within the Building Management System

Secure

- TLS 1.2 with Self-signed Certificates or Certificates Obtained From a Certificate Authority

Scalable



- Datacenters
- Small Commercial
- Multi-Building Portfolio
- Campus
- Municipalities
- Healthcare
- Global Portfolios

More information