DATASHEET

EdificeEdge

A secure, scalable and reliable server platform for connecting multiple and diverse devices and sub-systems.

EdificeEdge is a feature rich middleware platform and an ideal solution for many of today's smart building application needs. It aggregates data from thousands of building assets (sensors, actuators, controllers, legacy equipment) and transfer data to the cloud for further processing. The application provides an user friendly and intuitive UI to visualize and interpret data and can be accessed through any standard browsers.

With an ability to compute and perform analytics at the edge, it is ideal solution to build any cloud based Building Management Systems (BMS), smart building analytics platform and even remote monitoring systems for controlling and monitoring equipment. Built on top of **Intel's 'Edge Insights for Buildings'**, EdificeEdge is a secured, robust, scalable platform to bring new IoT solutions to market.

Features at glance

Data Management

- Supports up to 2500 data points
- Polling frequency to the precision of 1 min
- Provision to log telemetry data

Event Management

- Alarm configuration at edge
- Alarm management at edge
- List view with important attributes

Historian

- Supports historization of data
- Historian configuration at edge
- Historian view of objects

User Interface

- Create project with network view
- Discover and register BACnet and Modbus devices over TCP/IP network
- Detailed view of device and point object properties value
- Supports command and control at edge

User Management

- Supports role based permission
- Comes with predefined roles
- Supports new user(s) to add

Device Management

- EdificeEdge device agent supports connectivity with enterprise application for all kind of updates

Connectivity and Cloud

- EdificeEdge MQTT driver and its cloud agent supports easy integration with public clouds such as Cumulocity IoT, AWS (Amazon Web Services) & Microsoft Azure
- EdificeEdge protocol drivers and APIs can easily integrate with operational based enterprise systems
- Support data interoperability with other applications

Interested to know more about EdificeEdge?
Email us at info@edificedx.ai or visit us at www.edificedx.ai

System	
CPU	Intel® Atom® X5
TDP	6.5 W
# of cores	2
Base Freq.	1.3GHz
Max Turbo Freq.	1.8 GHz
Memory	1 x SO-DIMM, DDR3L 1600 MHz, supports up to 4GB
External Interfaces	
Display	1 x HDMI 1.4, supports up to 3840 x 2160 @ 30 Hz 1 x DP 1.2a, supports up to 4096 x 2160 @ 60 Hz
Ethernet	2 x 10/100/1000 Mbps, RJ45 (2 x Intel i210IT 1Gb) 2 x 802.11af PSE ports, RJ45 (optional) 2 x 10/100/1000 ethernet ports, RJ45 (optional) *either one
USB	4 x USB 3.2 Gen 1, type A 2 x USB 2.0, type A (optional)

Design

Compact size with fanless Design | Robust and cableless design with high stability

Connectivity Support

BACnet, Modbus

Interfaces

Ethernet (Optional) 4G LTE, Wi-Fi

Storage

Mini PCIe expansion slot for mSATA storage **|** Supports 2.5” HDD or SSD storage

Power

Power Input 12 to 24 V DC, 2 pin terminal block

Security

TPM v2.0 powered by NuvotonNCPT 750 (Optional)

Operating System

Ubuntu server 20.04