

Gateway Datasheet

Overview

The **neuroedge™** Gateway is an advanced IoT device engineered to seamlessly integrate Building Management Systems (BMS), Hospitality Property Management Systems (PMS), and various IoT devices into the robust **neurocore™** cloud-based application. Utilizing open-standard protocols, **neuroedge™** securely captures real-time data, enabling comprehensive monitoring, analytics, and precise control of building equipment. Designed for larger IoT deployments, it features a powerful Intel® i3-8100 Quad-Core Processor running at 3.6GHz with 6MB cache and integrated UHD Graphics 630, delivering fast, stable performance ideal for demanding edge computing environments. Network rack-mountable, energy-efficient, and highly flexible, **neuroedge™** bridges Operational Technology and Information Technology, providing intuitive, centralized management from a single, user-friendly interface.



Features

- Intel® Quad-Core Celeron N3450 Processor for efficient IoT edge data processing.
- **neurocore™** cloud application enables centralized management and control of IoT, BMS, and PMS devices remotely.
- Network rack-mountable design built for larger deployments, delivering scalable performance and simplified infrastructure integration.
- Supports multiple protocols including BACnet/IP, Modbus, Haystack, OBIX, MQTT, API integrations, Inovonics, and Incomm. - custom serial rs232
- Secure, container-based operating system for hosting **neurocore™** applications at the edge.
- Zero Trust secure VPN connectivity for encrypted and seamless cloud-to-edge communication and management.



Hardware Specifications

- Processor: i3-8100 - 3.6GHz Intel Quad-Core (4 cores) CPU - 6MB Cache, UHD Graphics 630 (65W) (ERM)
- Memory: 16GB
- Onboard Storage: 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980

Ethernet Interface

- Ports: 2x Gigabit Ethernet (WAN/LAN)
- Physical Layer: 10/100/1000 Base-T (IEEE 802.3)
- Data Rate: 10/100/1000 Mbps (Auto-Sensing)
- Interface: Auto MDI/MDIX
- Mode: Full/Half Duplex (Auto-Sensing)

Power Supply and Consumption

- Input: 12V 3A DC
- Consumption: 2.5-4W

Physical Characteristics

- Indoor Use Only
- Material: Durable ABS Plastic (White & Black)
- Dimensions: 19.10 x 11 x 1.75 inches
- Mounting: Rack Mount
- Weight: 15 lbs

Environmental

- Storage Temperature: -4°F to 140°F (-20°C to 60°C)
- (0°C to 55°C)

Technical Support

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