

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 software platform. Utilizing open-standard protocols, **neuroedge™** securely captures real-time data, enabling comprehensive monitoring, analytics, and precise control of building equipment. Its robust hardware features an Intel® Celeron Processor, dual Gigabit Ethernet ports, USB 3.0, and passive cooling technology for reliable performance and connectivity. Compact, 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.
- Supports multiple protocols including BACnet/IP, Modbus, Haystack, OBIX, MQTT, API integrations, Inovonics, and Incom. - custom serial interfaces 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: Intel® Celeron N3450 (Apollo Lake), Quad-Core, 1.1GHz (up to 2.2GHz), 2MB L2 Cache
- Memory: 8GB
- Onboard Storage: 32GB eMMC 5.1



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: 6.1 x 4.6 x 2.2 inches (156 x 117 x 57 mm)
- Mounting: Desktop or Wall Mount
- Weight: 1.11 lbs

Environmental

- Storage Temperature: -4°F to 140°F (-20°C to 60°C)
- Operating Temperature: 32°F to 131°F

Technical Support

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