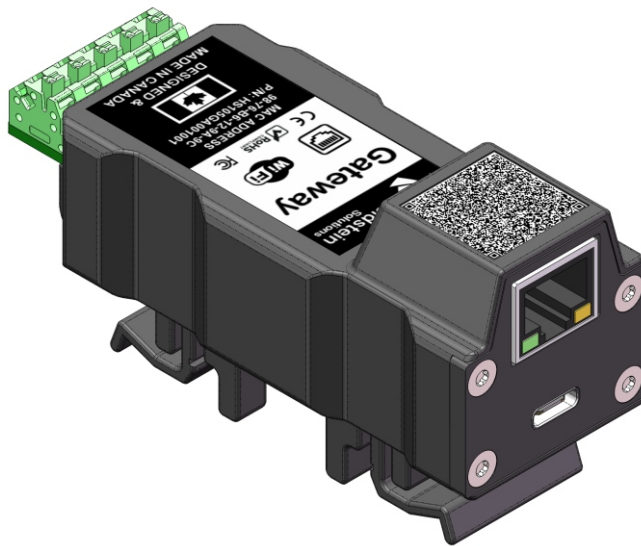




## Holdstein Gateway

Connect. Monitor. Simplify.



Powerfull dual-core 240MHz processor  
Ethernet, Wi-Fi and Bluetooth Connectivity  
FCC/CE certification

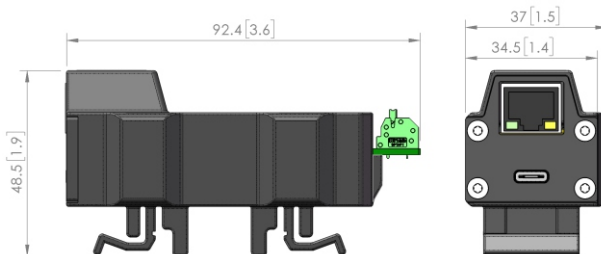
Holdstein Solutions presents the Gateway Holdstein, an easy-to-use device designed to facilitate connectivity and monitoring of digital and analog sensors in industrial environments.

Connecting existing sensors to modern networks or integrating new sensors, the Gateway Holdstein offers a secure and practical solution. It supports Ethernet, Wi-Fi, and Bluetooth connections, enabling reliable communication with digital and analog sensors. You can monitor devices remotely, collect real-time data, and integrate solutions with cloud services, all with the necessary security for industrial applications.

The Gateway Holdstein adapts to existing infrastructures and new projects, contributing to a more connected and efficient industry. It is a powerful tool for OEMs and system integrators.

### Overall Dimensions:

- 92.4 x 48.5 x 37mm
- 3.60 x 1.90 x 1.46 in
- Weight: 0.07kg [0.15 lb]



### External Interfaces:

- USB-C (Power)
- Ethernet (RJ45)
- Terminal Block
- DIN Rail

# Holdstein Gateway General Specifications

## Ethernet Specifications

**IEEE 802.3 Compatible:** Supports Ethernet standards for MAC and PHY, accommodating 10Base-T and 100Base-TX networks.

**Auto-Negotiation/Auto MDI/MDIX:** Automatically adjusts for transmission speed (10/100 Mbps) and cable configuration (crossover or straight-through) to optimize network communication.

**Operation Modes:** Supports both full-duplex and half-duplex operations, enabling simultaneous bidirectional communication in full-duplex and alternating unidirectional or bidirectional communication in half-duplex.

**Independent Hardware Sockets:** Multiple sockets enable multiple concurrent network connections for TCP, UDP, and other network protocols.

**Protocol Support:** Integrated support for TCP, UDP, IPv4, ICMP, ARP, IGMP, and PPPoE.

**Integrated Memory:** 32K bytes of built-in memory for RX/TX data buffering.

**RJ-45 Connector with Integrated LEDs:** Standard network connector with LED indicators for connection status and data activity.

## Processing and Memory

**Processor:** Dual-Core 240 MHz, with high-performance processing capabilities.

**Flash Memory:** 8 MB, for storing programs and data.

**PSRAM:** 2 MB, for temporary data storage and enhanced support for applications that require extensive memory usage.

## Connectivity

**Wi-Fi:** 802.11 b/g/n, integrated support for wireless network connections.

**Bluetooth:** Bluetooth Classic and BLE (Bluetooth Low Energy) for short-range wireless communication.

## I/O Interfaces and Ports

**USB-C:** high speed new standard port for fast upload firmware and power

**Ethernet:**

**Connector:** 5-Pos Terminal Block

## Certifications

**Compliance:** The communication module is fully certified with FCC/CE standards, ensuring it meets rigorous communication regulations and quality standards for global use.

## Power Rating

**Power:** 5 Vdc, 3A

**Power Required:** Powered by external DC power adapter, 100-240V AC, 50/60 Hz (Optional)



Holdstein Solutions is an emerging Canadian company committed to advancing technology and its practical implementation in the industry. With a strong focus on research and development, we strive to deliver cutting-edge integrated software and hardware solutions that are both innovative and dependable. Our extensive expertise in the deep water oil & gas industry has enabled us to develop top-quality products over the years. Trust Holdstein Solutions for advanced technology solutions tailored to your industry needs.

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