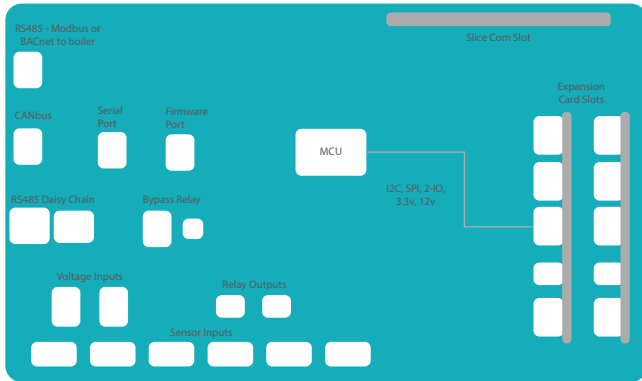


INDUSTRIAL CONTROLLER

Technical Specifications:



Power Requirements

- 24V DC



Voltage Inputs | 2

- 24VAC
- 0-10VDC



Sensor Inputs

- Analog Sensor Inputs 6 ports, each port supports:
 - 0-10V, 0-5V, 0-3.3V
 - 4-20 mA
 - Pulse input



Connectivity

- Cellular
- Bluetooth
- Wi-Fi (2.4 GHz)
- GPS
- Removable communication module
- Over-the-Air Firmware updates



Serial Communication

- RS485 | Modbus
- CAN bus



Expansion Header for Input/Output

- I2C
- SPI
- Analog Input (4), 12-bit ADC
- General GPIO (8)
- Voltage Output 3.3V, 5V
- QWIC Connector (I2C)



Relay Control

- 2 Relay Outputs
- Bypass Relay



Security

- MQTTS and HTTPS with TLS encryption
- Bluetooth security



Local Serial Interface

- USB A | For field programming and firmware updates



Environmental

- Operating Temperature : -40C to 85C
- Indoor/Outdoor



Mechanical

- NEMA 4X Enclosure
- Dimensions (L x W X D)
 - 6" x 6" x 3.5"
- Color: Light Gray
- Material: ABS Plastic



Expansion Boards

- 2 expansion slots available
- Current expansion board:
 - 3 Sensor Inputs
 - 1 Voltage Input
 - 1 Relay Output
- Custom expansion boards available upon request



Remote Server Communication Module

- The server communication module (Slice Com Board) can be located in a separate enclosure up to 200 ft from the controller
- Wired link between controller and Slice Com Board: RS485



Multi-Controller Link

- Up to 3 controllers can be linked together using a wired connection
- All controllers communicate to the server through a single communication module
- Wired Communication: RS-485