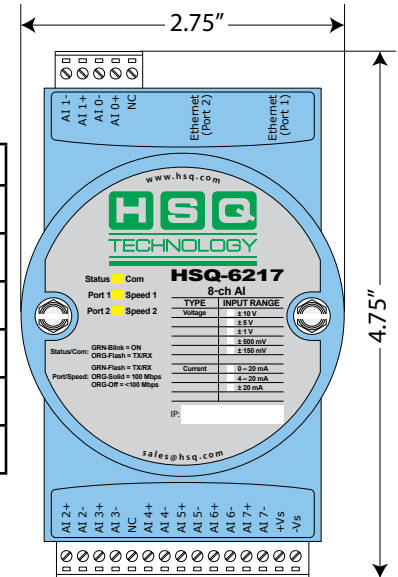


### Key Features

- ◇ I/O Type: Eight Analog Inputs
- ◇ 2-port 10/100 Base-TX Ethernet Communication
- ◇ Daisy chain connection with auto-bypass protection
- ◇ Group configuration capability for multiple module setup
- ◇ Remote monitoring

### LED Functionality

LED	Color	Mode	Behavior
Status/Com	Green	Blink	Normal operation
	Orange	Flash	TX/RX Data transmission
Port/Speed	Green	ON	Ethernet connected
		Flash	TX/RX data transmission
	Orange	ON	100 Mbps Ethernet speed
		OFF	<100 Mbps Ethernet speed



The HSQ-6217 module is designed with eight analog inputs to satisfy all your industrial needs. Each analog channel is allowed to configure an individual range for a variety of applications. It features two Ethernet ports to accommodate daisy chain connections.

## SPECIFICATIONS

### Analog Input

- **Channels:** 8 (differential)
- **Input Impedance:** >10 M $\Omega$  (voltage)  
120  $\Omega$  (current)
- **Input Type:** mV, V, mA
- **Input Range:**  $\pm 150$  mV,  $\pm 500$  mV,  $\pm 1$  V  
 $\pm 5$  V,  $\pm 10$  V, 0-20 mA,  
4-20 mA,  $\pm 20$  mA
- **Accuracy:**  $\pm 0.1\%$  or better (voltage)  
 $\pm 0.2\%$  or better (current)
- **Span Drift:**  $\pm 30$  ppm /  $^{\circ}$  C
- **Zero Drift:**  $\pm 6$   $\mu$ V /  $^{\circ}$  C
- **Resolution:** 16-bit
- **Sampling Rate:** 10 sample/second (total)
- **CMR @ 50/60 Hz:** 92 dB
- **NMR @ 50/60 Hz:** 60 dB
- **Common Mode:** 200 V<sub>DC</sub>

### General

- **Ethernet:** 2-port 10/100 Base-TX
- **Power Consumption:** 3.5 W @ 24 V<sub>DC</sub>
- **Connectors:** Plug-in screw terminal block
- **Watchdog Timer:** System (1.6 seconds),  
Communication (programmable)
- **Power Input:** 10 – 30 V<sub>DC</sub> (24 V<sub>DC</sub> standard)
- **Protocols:** Modbus/TCP, TCP/IP, UDP, HTTP,  
DHCP

### Protection

- **Over Voltage Protection:**  $\pm 35$  V<sub>DC</sub>
- **Isolation Protection:** 2,500 V<sub>DC</sub>
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

### Environment

- **Operating Temperature:** -10 $^{\circ}$  – 70 $^{\circ}$  C (14 $^{\circ}$  – 158 $^{\circ}$  F)
- **Storage Temperature:** -20 $^{\circ}$  – 80 $^{\circ}$  C (-4 $^{\circ}$  – 176 $^{\circ}$  F)
- **Humidity (Operating):** 20 – 95% RH (non-condensing)
- **Humidity (Storage):** 0 – 95% RH (non-condensing)

