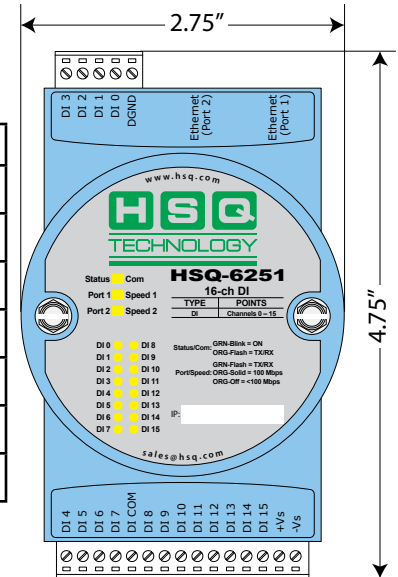


Key Features

- ◇ I/O Type: Sixteen Digital Inputs
- ◇ Dry and Wet Contact Support
- ◇ 2-port 10/100 Base-TX Ethernet Communication
- ◇ Daisy chain connection with auto-bypass protection
- ◇ Remote monitoring
- ◇ Digital Input LED Indicators

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
DI	Green	ON / OFF	Logic 1 / Logic 0



The HSQ-6251 module provides sixteen digital inputs with LED activity indicators. It also features two built-in 10/100 Base-TX Ethernet ports for daisy chain functionality. This module offers remote monitoring and group configuration capability for multiple module setup.

SPECIFICATIONS

Digital Input

- **Channels:** 16
- **Dry Contact:** Logic level 0: Open
Logic level 1: Closed to DGND
- **Wet Contact:** Logic level 0: 0 – 3 V_{DC} or 0 – -3 V_{DC}
Logic level 1: 10 – 30 V_{DC} or 10 – -30V_{DC}
- **Input Impedance:** 5.2 kΩ (wet contact)
- **Transition Time:** 0.2 ms
- **Frequency Input Range:** 0.1 – 3 kHz
- **Counter Input:** 3 kHz (32-bit + 1-bit overflow)
- **Keep/Discard Counter Value when Power-Off**
- **Inverted DI Status Support**

Protection

- **Over Voltage Protection:** ±35 V_{DC}
- **Isolation Protection:** 2,500 V_{DC}
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

General

- **Ethernet:** 2-port 10/100 Base-TX
- **LED Indication:** 16 DI
- **Power Consumption:** 2.7 W @ 24 V_{DC}
- **Connectors:** Plug-in screw terminal block
- **Watchdog Timer:** System (1.6 seconds), Communication (programmable)
- **Power Input:** 10 – 30 V_{DC} (24 V_{DC} standard)
- **Protocols:** Modbus/TCP, TCP/IP, UDP, HTTP, DHCP

Environment

- **Operating Temperature:** -10° – 70° C (14° – 158° F)
- **Storage Temperature:** -20° – 80° C (-4° – 176° F)
- **Humidity (Operating):** 20 – 95% RH (non-condensing)
- **Humidity (Storage):** 0 – 95% RH (non-condensing)

