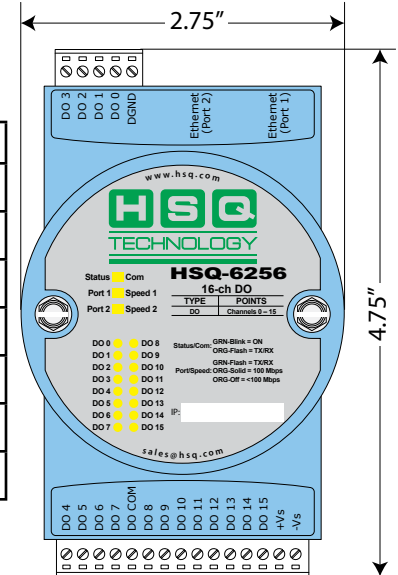


Key Features

- ◇ I/O Type: Sixteen Digital Outputs (Sink Type)
- ◇ 2-port 10/100 Base-TX Ethernet Communication
- ◇ Daisy chain connection with auto-bypass protection
- ◇ Remote monitoring and control
- ◇ Digital Output LED Indication

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
DO	Orange	ON / OFF	Logic 1 / Logic 0



The HSQ-6256 module provides sixteen digital outputs 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 control and group configuration capability for multiple module setup.

SPECIFICATIONS

Digital Output

- **Channels:** 16 (Sink Type)
- **Output Voltage Range:** 10 – 30 V_{DC}
- **Normal Output Current:** 100 mA (per channel)
- **Pulse Output:** Up to 5 kHz
- **Delay Output:** High-to-Low and Low-to-High

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 DO
- **Power Consumption:** 3.2 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)

