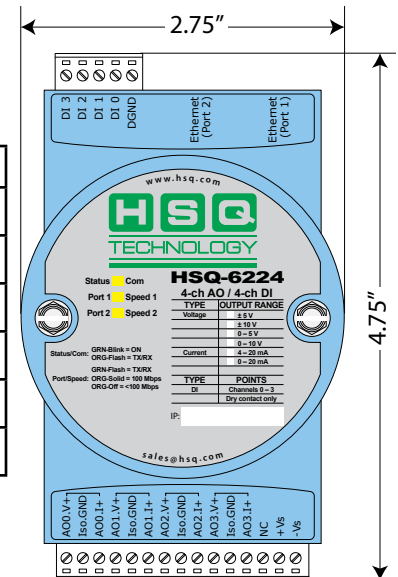


Key Features

- ◇ I/O Type: Four Analog Outputs, Four Digital 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 and control

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-6224 is a universal I/O module for various signal applications. There are four analog outputs and four digital inputs. This module has a universal analog signal type, which makes it an excellent cost-effective I/O solution.

SPECIFICATIONS

Analog Output

- **Channels:** 4
- **Output Impedance:** 2.1 Ω
- **Output Settling Time:** 20 μ s
- **Driving Load:** Voltage: 2 k Ω
Current: 500 Ω
- **Programmable Output Slope:** 0.125 – 128 mA/sec
- **Output Type:** 0.0625 – 64 V/sec
- **Output Range:** V, mA
0 – 5 V, 0 – 10 V, \pm 5 V, \pm 10 V,
0 – 20 mA, 4 – 20 mA
- **Accuracy:** \pm 0.3% of FSR (voltage) at 25° C
 \pm 0.5% of FSR (current) at 25° C
- **Resolution:** 12-bit
- **Drift:** \pm 50 ppm / ° C
- **Current Load Resistor:** 0 – 500 Ω

Digital Input

- **Channels:** 4 (dry contact only)
- **Dry Contact:** Logic level 0: open
Logic level 1: closed to DGND

General

- **Ethernet:** 2-port 10/100 Base-TX
- **Power Consumption:** 6 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

Protection

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

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)

