

# 6000-1140 Logic Processor

Intelligent Data Acquisition and Control



## Technical Summary

### Key Features

- ◇ Industrial Processor
- ◇ Distributed Alarm and Data Processing
- ◇ Sequence of Events (SOE) Recording
- ◇ Synchronized Real-Time Clock
- ◇ Intelligent Stand Alone Control
- ◇ VisualCL Programming (IEC 1131-3 Based)
- ◇ Low Power Consumption
- ◇ Backup Power Supply Option
- ◇ Fanless With No Internal Cabling
- ◇ MODBUS Master and Slave Capability
- ◇ DNP3 Master and Slave Capability



The HSQ 6000-1140 provides four serial ports and one Ethernet interface, and with its compact size, small footprint, and front accessible I/Os, this RTU is convenient for wiring and DIN-rail installation in control cabinets. Due to its wide operating temperature range, industrial serial port design, and low power consumption, the HSQ 6000-1140 is an excellent communication gateway for remote and critical environments.

### General Specifications

- **Dimensions:** 71 x 155 x 140 mm (2.8 x 6.1 x 5.6 in.)
- **Enclosure:** Aluminum + SECC
- **Mountings:** DIN-rail, wallmount
- **Power Consumption:** 10 W (typical)
- **Power Input:** 9 – 36 V<sub>DC</sub> (e.g., +24 V @ 1 A) (Min. 24 W), AT
- **Weight:** 1.0 kg (2.2 lbs.)

### System Software

- **Operating System:** HSQ v8 (Pre-installed)

### Communications

- **Serial Ports:** Four RS-232/485, DB9 connectors
- **Serial Port Speed:** RS-232: 50 – 115.2 kbps  
RS-485: 50 – 115.2 kbps
- **LAN:** One 10/100 Base-T, RJ-45 port
- **USB:** Two USB ports, USB 2.0 compliant
- **Protocols:** HSQ COS, MODBUS, DNP3

### Environment

- **Operating Temperature:** -10 – 60° C (14 – 140° F)
- **Storage Temperature:** -20 – 80° C (-4 – 176° F)
- **Operating Humidity:** 20 – 95% (non-condensing)
- **Storage Humidity:** 0 – 95% (non-condensing)

### 6000 Series I/O Modules

- **HSQ-6015:** Isolated 7-channel RTD Input
- **HSQ-6017:** Isolated 8-channel Analog Input, 2-channel Digital Output
- **HSQ-6018:** Isolated 8-channel Thermocouple, 8-channel Digital Output
- **HSQ-6024:** Isolated 6-channel Analog Input, 2-channel Analog Output, 2-channel Digital Input, 2-channel Digital Output
- **HSQ-6050:** Isolated 12-channel Digital Input, 6-channel Digital Output
- **HSQ-6051:** Isolated 12-channel Digital Input, 2-channel Counter Input, 2-channel Digital Output
- **HSQ-6052:** Isolated 8-channel Digital Input, 8-channel Digital Output
- **HSQ-6060:** 6-channel Digital Input, 6-channel Relay
- **HSQ-6066:** 6-channel Digital Input, 6-channel Power Relay



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