
HYPER SERVER MODULE

DATA FLOW SYSTEMS IS PROUD TO INTRODUCE A REVOLUTIONARY APPROACH TO THE SCADA SERVER – A SELF-CONTAINED, MODULARIZED, SCADA SERVER PACKAGED IN A PROTECTIVE WALL-MOUNTED ENCLOSURE.

The Hyper Server Module (HSM) is the core of Data Flow Systems' Hyper SCADA Server (HSS). The HSM is a Linux-based, Pentium-class computer housed on a DFS module card. The HSM runs DFS' HT3 SCADA software.

The HSM communicates with the SCADA system's RTUs via a built-in network interface. Two voice-grade modems, which double as data terminal modems, enable voice alarm call-out, telemetry control and general status inquiries by phone and remote computer access via dial-up connection.

In addition to alarm horn and alarm light outputs, the HSM offers local voice alarm annunciation for use in a sound system.

For an HSS with Hot-Standby Redundancy, data redundancy is managed by the system as it continually copies data from the primary HSM to the backup HSM (mirror imaging the primary). For a non-redundant HSS, data backup is accomplished over a network by defining a client-computer backup location.

Other features of the HSM are a manual CPU shutdown button, status LEDs that indicate CPU activity and system status, and several configuration straps at the card edge that provide system-level configuration options.



FEATURES AT A GLANCE

- 10/100base-TX Ethernet Network Interface
- 2 on-board voice modems
- Voice alarm call-out
- Dial out (911) / Dial in (411)
- Communications Watch Dog
- DFS Backplane interface
- Alarm horn driver with alarm silence input
- Alarm light driver
- Local voice alarm annunciation
- Full system-backup capabilities
- Reset button for manual CPU shutdown
- LEDs indicate CPU activity and system status
- Card-edge configuration straps for system level configurations
- Reset and redundancy functions
- Internet browser-based user interface
- Linux operating system
- HT3 SCADA software



SPECIFICATIONS

Model	HSM001
Board Size	5.25" x 6.85"
Supply Voltage	11.8 to 13.4 VDC
Supply Current	1.5 Amps
Network Interface	10/100base-TX

WARRANTY

This product carries a one (1) year return-to-factory warranty against defects in material and workmanship. When installed with factory recommended surge protection, the return-to-factory warranty is extended to three (3) years and is also covered against damage due to lightning and surge. DFS will repair or replace at its option, F.O.B. Melbourne, Florida, any part or parts of this product during the warranty period. A Return Authorization (RA) must be obtained by contacting the DFS Factory Repair Center at 321-259-5009 or by email at rma@dataflowsys.com.