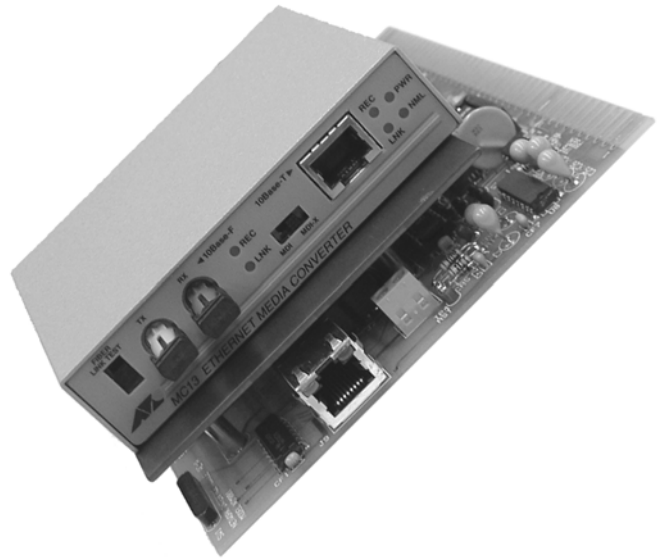# Network Fiber Module

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 Network Fiber Module (NFM) is designed as a generic, network media converter for use with TAC II telemetry systems. The NFM interfaces between the Hyper Server Module (HSM) – a component of the Hyper SCADA Server (HSS) – and one of the following two components: the client network or the telemetry network (RTUs or CTU). Each HSU features at least two NFMs. The NFM's main function is to provide the HSS' components with protection from transient voltage damage. The NFM can be ordered to interface with either a 10 Mbps or 100 Mbps network. Additionally, the Ethernet and Fast Ethernet converters can each be ordered to support either multi-mode or single mode fiber applications.

Features at a Glance

- 10Mbps or 100Mbps Ethernet Media Converter
- LEDs on power, transmit data, network link, CPU failure, and test
- Monitors RTU power and DC bias
- Battery back up during power failure
- No on-board adjustments, switches or straps (self configuring)
- Card retainer interlock that is bypassable and shareable

Specifications

Model	NFM001
Board Size	5.25" X 6.88"
Circuit Protection	Transorb
Supply Voltage	12 to 14 VDC
Supply Current	280 mA
Network Interface	10Base-T or 100Base-T
Network Protocol	TCP/IP (UDP Datagram)

Typical Applications

HSS (Hyper SCADA Server) Media Converter – Plugs in module slot and provides transient voltage protection to the HSU's Hyper Server Module (HSM). One NFM interfaces between the HSM and the client network. A second NFM interfaces between the HSM and the telemetry system (RTUs or CTU).

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.