

Fuji Electric Corporation

OPC-ETH Multiprotocol Ethernet Interface

FRENIC-MEGA / FRENIC-HVAC AC Drive Ethernet Communications

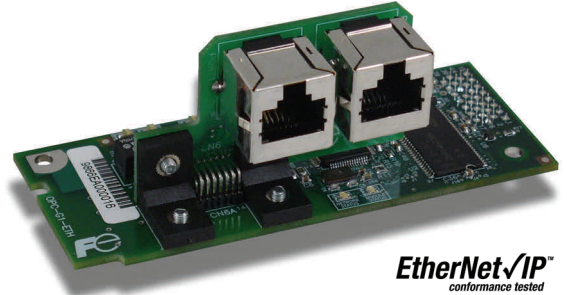
The OPC-ETH is a user-configurable multiprotocol Ethernet communications interface card for the Fuji Electric FRENIC-MEGA and FRENIC-HVAC families of adjustable speed drives. The OPC-ETH installs directly onto the drive, and provides connectivity to several popular Ethernet-based automation networks. Once installed, the OPC-ETH provides Ethernet/internet access to all internal drive configuration, command and monitoring function codes. All interface card configuration is performed using a standard web browser, and all supported protocols can be active simultaneously.

Supported protocols currently include:

- Modbus/TCP
- EtherNet/IP (for connectivity to Allen-Bradley -Logix and equivalent platforms)
- Allen Bradley CSP (for connectivity to Allen-Bradley PLC-5/E and SLC-5/05 -class PLCs)
- BACnet/IP

The OPC-ETH incorporates a variety of leading-edge automation and IT technologies, such as:

- Dual-port RJ-45 jacks with embedded 10/100 BaseT Ethernet switch supports traditional star and daisy-chain topologies.
- MDI/MDI-X auto-crossover allows the use of any combination of straight-through and crossover Ethernet cables.
- USB 2.0 port with mini-B connector provides composite USB device functionality. USB connection allows for product identification, configuration and firmware updating. Additionally, the OPC-ETH enumerates as a standard USB mass storage device ("flash drive") for configuration file copying and web page customization.
- Open XML-based socket data transfer, which allows end users to create their own custom web server content and load it onto the unit's internal file system via USB.
- Factory-default web server content provides real-time data interaction via an Adobe® Flash Player plug-in. Features include a virtual drive keypad interface, and a dashboard GUI with multiple gauge windows, each of which can be configured to display drive data in a variety of meter, graph and gauge formats.
- EtherNet/IP access to inverter data via explicit messaging, user-defined I/O assembly instances, and the ODVA AC/DC drive profile.
- Microsoft Windows®-based Discovery/Configuration tool which enables Ethernet-based discovery of all OPC-ETH cards on the current subnet, as well as providing for USB-based firmware updates.



FE Fuji Electric
Innovating Energy Technology



Fuji Electric Corp. of America

47520 Westinghouse Dr.
Fremont, CA 94539 USA

Phone: (510) 440-1060

Fax: (510) 440-1063

<http://www.americas.fujielectric.com>

For more information about this and other AC drive communication options, contact your local Fuji Electric distributor, or visit us online at <http://www.americas.fujielectric.com>.