

# Fuji Electric Corporation

## OPC-E1-ETH Multiprotocol Ethernet Interface

### FRENIC-Multi AC Drive Ethernet Communications

The OPC-E1-ETH is a user-configurable multiprotocol Ethernet communications interface card for the Fuji Electric FRENIC-Multi family of adjustable speed drives. The OPC-E1-ETH installs directly onto the drive, and provides connectivity to several popular Ethernet-based automation networks. Once installed, the OPC-E1-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:

- BACnet/IP
- Modbus TCP
- Profinet IO
- 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)

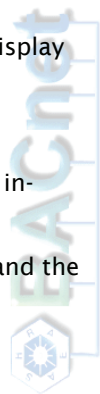
The OPC-E1-ETH presents a standard 10/100BaseT Ethernet network connection, and incorporates a variety of leading-edge automation and IT technologies, such as:

- Autonomous alarm evaluation with email notification
- Real-time web browser-based data interaction via an Adobe® Flash Player plug-in
- XML-based configuration file access
- Configuration file transfer and firmware upgrade capability via FTP
- 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
- A virtual keypad interface
- EtherNet/IP access to inverter data via explicit messaging, user-defined I/O assembly instances, and the ODVA AC/DC drive profile
- Profinet access to inverter data via acyclic services, user-defined cyclic I/O modules, and the PROFdrive profile
- Support for Power over Ethernet (PoE) / IEEE 802.3af



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For more information about these and other AC drive communication options, contact your local Fuji Electric distributor, or visit us online at:

- Fuji Electric Corp. of America  
(<http://www.fujielectric.com/fecoa>)
- Industrial Control Communications, Inc.  
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