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 configurations are performed using a standard web browser, and all supported protocols can be active simultaneously.

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 PROFI drive profile
- Support for Power over Ethernet (PoE/IEEE 802.3af)

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)

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