

Fuji Electric Corporation

OPC-E1-WiE Multiprotocol Wireless Ethernet Interface

FRENIC-Multi AC Drive Wireless Ethernet Communications

The OPC-E1-WiE is a user-configurable multiprotocol wireless Ethernet (802.11b) communications interface card for the Fuji Electric FRENIC-Multi family of adjustable speed drives. The OPC-E1-WiE installs directly onto the drive, and provides connectivity to several popular Ethernet-based automation networks. Once installed, the OPC-E1-WiE provides native wireless 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
- 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-WiE presents a standard 802.11b wireless Ethernet interface operating in the 2.4GHz band with data rates up to 11Mbps. A detachable 2.4GHz omni-directional fully articulating dipole antenna with RP-SMA connector is included. The interface also 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
- Support for a variety of data encryption options, such as WEP, WPA and WPA2
- Availability of a variety of antenna connectivity options



FUJI ELECTRIC
DRIVES & CONTROLS



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.
(<http://www.iccdesigns.com>)

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