Foreseer® Services Data Acquisition Engine

Features

- Enhanced reliability and availability—no moving parts to fail, plus it includes two redundant TCP/IP ports and easily connects to multiple Foreseer Software servers, both primary and secondary
- Low cost, lights-out remote management—requiring little or no local, on-site expertise, it can be configured and upgraded remotely via the network from a central location
- Network smart—reduced bandwidth requirements by transmitting all device data to a central Foreseer Software server through shared IP networks
- Self-monitoring hardware— reboots automatically if a problem is detected via its watchdog mechanism
- Pro-active communication—continues monitoring and generating alarms even if the Foreseer Software server connection is down. Plus it supports "Message Management" including "Outcall Paging" via POTS phone line

Cost-effective monitoring and management for remote Foreseer Software sites

Now you can cost-effectively and efficiently expand the Foreseer Software system's advanced monitoring and management capabilities to remote sites. The Foreseer Data Acquisition Engine is designed specifically for geographically or physically removed sites where local IT expertise may not exist. Based on powerful and proven Foreseer Software Services technology, the Data Acquisition Engine automatically collects and sends data from critical infrastructure devices such as UPS, generator, and power distribution units and communicates that data, as well as status and alarms, back to the centrally located Foreseer Software server. The Data Acquisition Engine represents a significant step forward in enterprise-class management, enabling an intelligent hierarchical management architecture that matches the configuration of the global enterprise.

Packaged in a 2U rackmount enclosure, the Foreseer Data Acquisition Engine is a highly available, network-intelligent appliance designed to extend the management reach of the Foreseer architecture. Using local processing and using the shared bandwidth of an IP network, the Data Acquisition Engine reduces the cost required to transmit data to the central Foreseer Software server. The Data Acquisition Engine can also continue to operate independently and generate alarms even if the connection to the central server is unavailable, increasing the overall availability of the management system.

Standard features include dual 10/100BASE-T Ethernet ports, four serial ports, four USB ports, Foreseer firmware, and support for up to 3,072 channels (1,536 analog, 1,536 digital).

Technical Specifications

External power input	115/230 VAC in, 5VDC 8 amp out, optional –48VDC
Ethernet	Dual 10/100 Base-T Ethernet ports
Communications ports	4 RS232/422/485 and 4 USB ports
Dimensions	3.5"H x 17"W x 11"D, 19" rackmount with removable flanges
Environment	32° to 104°F (0° to 40°C), 0% to 90% non-condensing RH
Monitoring	3,072 channels, maximum of 1,536 analog

Powering Business Worldwide

Eaton Corporation
Electrical Sector
1111 Superior Ave.
Cleveland, OH 44114
United States
877-ETN-CARE (877-386-2273)
Eaton.com

Printed in USA
DT16FXA / TN
September 2010

PowerChain Management®