INDUSTRIAL CONTROL COMMUNICATIONS, INC.

A Comparison Between the ETH-200 and ETH-1000 Multiprotocol Ethernet Gateways

Physical Characteristics

Item	ETH-200	ETH-1000
Ports	• 1 x 10/100 Base-T Ethernet • 2 x 2-wire RS-485 • 3 x Toshiba ASD (common serial) • 1 x RS-232	• 1 x 10/100 Base-T Ethernet • 1 x 2-wire/4-wire RS-485 • 1 x USB
Mounting	• Panel/wall-mounting standard • DIN-rail mounting optional	• Panel/wall-mounting standard • DIN-rail mounting standard • Desktop mounting standard
Power Supply	• 24VDC via Toshiba common serial ports • 9-24VDC via "AUX PWR" barrel jack	• 7-24VDC via screw terminals • Via Power over Ethernet (PoE) / IEEE 802.3af • Via USB port

Programming & Configuration

Item	ETH-200	ETH-1000
Principle Programming Method	Online over Ethernet via web browser only	• Online over USB via *Gateway Configuration Utility* • Online over Ethernet via web browser • Offline via *Gateway Configuration Utility*
Configuration File Upload & Download	Local over RS-232 port via Hyperterminal	• Local over USB port via *Gateway Configuration Utility* • Remote over Ethernet via FTP
Firmware Updates	Over RS-232 port via *RFU* utility	Automatic version detection & update over USB via *Gateway Configuration Utility*

Capabilities

Item	ETH-200	ETH-1000
Serial Baud Rates	2400 baud...38.4kbaud	2400 baud...115.2kbaud
Max Internal Data Elements	100 16-bit data points (200 total bytes)	4kB database (equivalent to 2048 16-bit registers)
IP Address Assignment	Static IP assignment	• DHCP / BOOTP • Static IP assignment • Remote automatic discovery protocol (via *Finder* application)
Max Number of Registers Serviceable at One Time (Modbus Master Example)	1 (point-oriented management)	125 (service object-oriented management)
Per-Item Scaling	Not supported	Supported
Supported Ethernet Protocols	• EtherNet/IP server • Modbus/TCP server	• EtherNet/IP (client & server) • Modbus/TCP (client & server) • Allen-Bradley CSP (client & server) • BACnet/IP (client & server) • PROFINET IO (server) • And others: for a complete list of supported drivers, refer to the separate "*Millennium Series Supported Drivers List*" document
Supported Serial Protocols	• Modbus RTU (master & slave) • Toshiba ASD protocol (master) • Toshiba 3-series ASD protocol (master) • Mitsubishi ASD protocol (master)	• Modbus RTU (master, slave & sniffer) • BACnet MS/TP (client & server) • Johnson Controls Metasys N2 (master & slave) • Sullair supervisor protocol (master) • Toshiba ASD protocol (master) • MSA Chillgard (monitor) • And others: for a complete list of supported drivers, refer to the separate "*Millennium Series Supported Drivers List*" document
Alarm Detection With Email Notification	Not supported	Supported
User-Configurable Dashboard/HMI	Not supported	Supported

For more information about these and other industrial & commercial communication interface products, visit us online at http://www.iccdesigns.com.

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