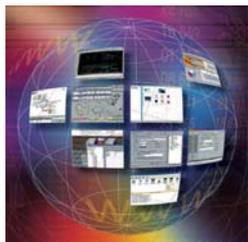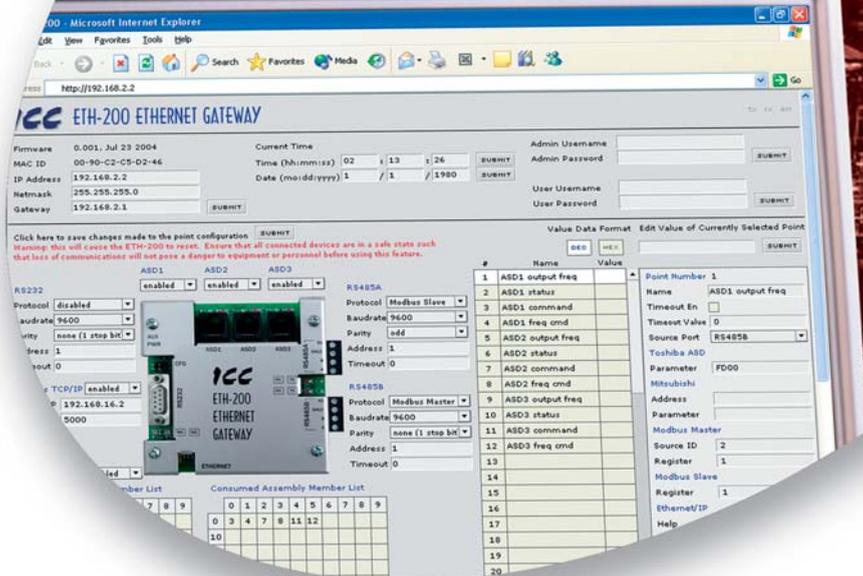For your automation solutions

Collaborative Automation Partner Program

Consolidate your networks and seamlessly share data – across the plant or around the globe
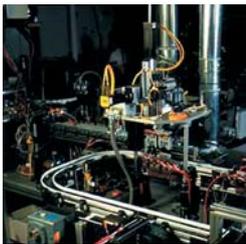
Schneider Electric and **ICC, Inc.**

Merlin Gerin
Square D
Telemecanique

Schneider Electric
Building a New Electric World

> A multiprotocol fieldbus gateway that provides effortless consolidation of otherwise incompatible networks and protocols.

Facilitating the simultaneous transfer of data among multiple networks, the ETH-200 Multiprotocol Ethernet Network Gateway provides the "missing link" in the fieldbus communications chain.

ICC
Industrial Control Communications, Inc.

Bristling with ports

The ETH-200 Multiprotocol Ethernet Network Gateway allows information to be transferred seamlessly among many different fieldbus networks with minimal configuration requirements. The unit provides a 10/100BaseT Ethernet port, two RS485 ports, one RS232 port, and three common serial ports for direct connectivity to Toshiba 7-series, 9-series, 11-series or VF-nC1 Adjustable Speed Drives (ASDs). These various communication ports operate independently, and are configurable along with the unit's internal point database via a standard web browser.

Protocols – a – Plenty

The ETH-200 currently provides support for protocols such as:
- Modbus RTU (RS485 & RS232 master and slave).
- Toshiba ASD (common serial master).
- Toshiba 3-series ASD (RS232 master).
- Modbus TCP/IP (slave).
- Ethernet/IP (server).
- Mitsubishi 500 & 700-series ASD (RS485 master).
- Johnson Controls, Inc. Metasys N2 (RS485 slave).

Additional drivers are continuously being added. Don't see a driver you need, or have a custom protocol you'd like to interface to? No problem – just contact our sales department and we can get you connected – frequently at no charge!
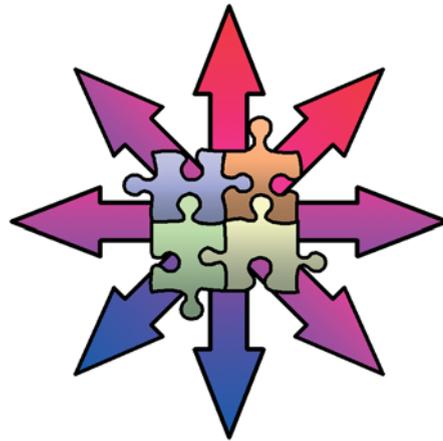
Configuration commonality

The ETH-200 is a member of the ICC Network Gateway Series product family. Members of this family are designed to provide a uniform interface, configuration and application experience. This commonality reduces the user's learning curve, reducing commissioning time while simplifying support. It also eases transitions from one product to another, while still allowing complex interchanges of data between otherwise incompatible networks.

Centralized point database

The heart of the Network Gateway Series concept is an element called the "point database," which provides the mapping information that allows requests from the various supported networks to be interpreted and stored in a common format. This allows data to be routed from any supported network to any other supported network. Other advanced features such as "data mirroring" (whereby current copies of point values are maintained locally within the gateway itself) greatly reduce the request-to-response latency times on the various networks.

Macromedia® Flash-enabled embedded web server

Advanced unit configuration and point monitoring/control are provided via an embedded web server using the HTTP protocol. The unit's web server feature provides direct interactive data access via any web browser that supports the Macromedia Flash Player plug-in.

> The intelligent "missing link" for your network's chain of communications…

Get connected to your data, and put it to work improving your bottom-line.

ICC's family of gateway products can bring your difficult-to-access data to locations across the plant or around the globe.

■ Transfer data to and from otherwise incompatible networks.
■ Simultaneously monitor and control equipment on multiple fieldbus networks.
■ Extend the life of legacy equipment by bridging data onto Ethernet and the Internet.
■ Seamlessly integrate equipment from different manufacturers.
■ Reorganize and repackage data for greater efficiency and network throughput.

Schneider Electric

More service with Schneider Electric's worldwide coverage

■ Permanent worldwide availability
With over 5000 sales outlets in 130 countries, wherever you are you can be sure of finding a full range of products to meet your needs and fully compliant with the standards in your country.

■ Technical support
Wherever you are Schneider provides technical support around the world. What's more, Schneider's experts are at hand to work out a customized solution with you.

ICC
Industrial
Control
Communications, Inc.

Founded in 1997, ICC, Inc. specializes in engineering and manufacturing embedded communication and control solutions for factory automation, networked controls, and building automation systems.

ICC is committed to providing reasonably priced, high quality fieldbus connectivity solutions for the Industrial and Commercial markets. Ask us how we can help you tap into your various data networks and increase the ROI of your intelligent equipment.

www.iccdesigns.com

www.collaborativeautomation.com

Schneider Electric Industries SAS   www.schneider-electric.com   Design, production: Pema-Cohérents

September 2005