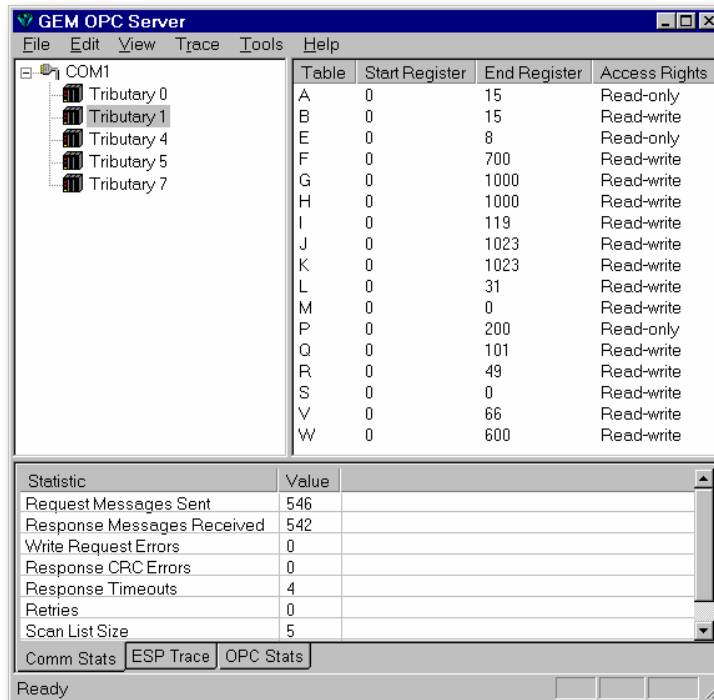


# GEM 80 OPC SERVER

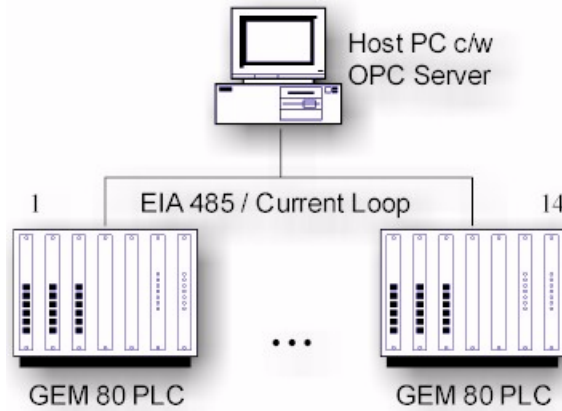


Northern Dynamic Inc.'s GEM 80 OPC Server provides register and bit level access to Alstom Drives & Controls' GEM 80 series of Programmable Logic Controllers from any OPC client application. Physical connection to the PLC network can be either EIA 485 or current loop. Access to all available tables within the PLC is provided.

#### Features Include:

- Compliant with both 1.0A and 2.0 OPC Data Access Standards.
- Simultaneous data transfer from up to 14 PLC tributaries (as per the ESP protocol specification).
- Supports access to all PLC tables, including read-only tables.
- Automatic tributary table size configuration.
- Protocol level trace logging to window and to file for troubleshooting communication problems.
- Communications statistics are tabulated and available for viewing.
- A pre-defined OPC item is created for each configured tributary which indicates communications status to that PLC. Clients can monitor this item for communications failures.
- Multi-threaded design allows efficient access to data by OPC clients.
- Powered by Northern Dynamic's OPC Server Toolkit.

### Network Topology Example



### Specifications

Hardware	<p>Pentium class PC with at least 5MB of available disk space.</p> <p>For EIA-485 connections, an internal EIA-485 interface card that operates as a standard COM port, or an external RS-232 to 485 converter.</p> <p>For current loop connections, an external RS-232 to current loop converter.</p>
Software	Windows 98, Window NT, Windows 2000, Windows XP, Windows Vista.
GEM Devices Supported	All GEM 80 PLC's that provide current loop or EIA-485 connectivity and support ESP protocol programming port messages.
Table Access	Supports reading and writing all tables within the PLC (A-W).

#### Order and product information:

Order Number: GEM80-UNL

To order, please contact a Northern Dynamic sales engineer at:

Phone: 519-725-2071

Fax: 519-725-2072

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