



# FieldServer Driver - Ethernet FS-8704-13 GE - Service Request Transfer Protocol (SRTP)

**Driver Code:** GE\_EGD  
**Version:** 1.00a  
**Protocol Version:** N/A  
**This document Revision:** 0

**Devices Supported:**

Device	Tested
All GE Ethernet Capable devices includes Series 90-30, Series 90-70, Versamax and a number of GE Drives.	90-30 CPU 313 with CMM321 (Nov 2001).

**Interface:** Ethernet

Almost all GE automation equipment supports the GE-SRTP protocol when equipped with an Ethernet Port.

The driver, acting as a client, is capable of reading and writing system memory of any number of remote SRTP capable devices.

The driver may be configured to act as SRTP server, accepting system messages which write to system memory and responding to read requests.

Write through and port expander modes are supported.

The bridge can scale word data ( %AQ, %AI, %R ) when acting as a client.

Driver diagnostics & statistics are exposed in the bridge data arrays so they may be read and monitored by remote devices / systems.

The following GE data types are handled by the driver.

- |     |                                |     |                                |
|-----|--------------------------------|-----|--------------------------------|
| %R  | Register memory                | %AI | Analog Input Memory            |
| %AQ | Analog output memory           | %I  | Discrete input memory          |
| %Q  | Discrete output memory         | %T  | Discrete temporary memory      |
| %M  | Discrete momentary memory      | %SA | Discrete system memory group A |
| %SB | Discrete system memory group B | %SC | Discrete system memory group C |
| %S  | Discrete system memory         | %G  | Discrete global data table     |

The driver has been timed reading 5700 bytes of table data per second.

The driver supports only a limited set of Service Requests and PDU's.

When acting as a server the driver is always at privilege level 4 ( allowing it to be written and read).