



# FieldServer Driver - Serial FS-8700-66 GE-SNP Protocol Serial Driver

**Driver Code:** SNP  
**Version:** 1.00a  
**Protocol Version:** N/A  
**Document Rev:** 1  
**Devices Supported:** GE 90-70, 90-30 PLC's and other SNP compliant devices

Device	Tested
	Protocol has been tested against a Series 90-30 CPU 364  Protocol has been tested against an Intellution FIX32's SNP device driver.

**Interface:** RS232 or RS-485 (Half-Duplex)  
**Baud Rates:** Std Baud Rates up to 19200 (GE PLC limitation)  
**Data Bits:** 7,8  
**Stop Bits:** 1,2  
**Parity:** Odd, Even, None  
**Handshaking:** None

- The SNP driver is capable of acting as a client or server.
- The SNP driver can read and write system memory and change privilege levels of a SNP device.
- The FieldServer's serial and/or RS485 ports may be used to communicate with the SNP device.
- The SNP driver supports the Mailbox communication method of the SNP protocol. The Datagram method is unsupported.
- The SNP driver can expose its communication statistics so that they can be monitored by a downstream device.
- The following data types may be read.
 

Discrete Inputs (%I)	Genius Global Data (%G)	%SA Discrete
Discrete Outputs (%Q)		%SB Discrete
Discrete Temporaries (%T)	Analog Inputs (%AI)	%SC Discrete
Discrete Internals (%M)	Analog Outputs (%AQ)	
%S Discrete (%S)	Registers (%R)	
- Up to 4096 bytes of data can be handled in a single transaction.