



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.