



Driver Version: 1.02
Document Revision: 1

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

Description

Fieldserver Mode	Nodes	Comments
Client		
Server		

Formal Driver Type

Serial
Client or Server

Compatibility Matrix

FieldServer Model	Compatible with this driver
FS-x2010	Yes
FS-x2011	Yes
FS-x30	Yes
FS-x40	Yes

Connection Information

Connection type: RS-232 or RS-485 (Two wire, Half-Duplex)
Baud Rates: 110 – 19200, standard baud rates only (Vendor limitation),
19200
Data Bits: 7,8
Stop Bits: 1,2
Parity: Odd, Even, **None**
Handshaking RTS, RTS/CTS, **None**
Multidrop Capability **No**

Devices tested

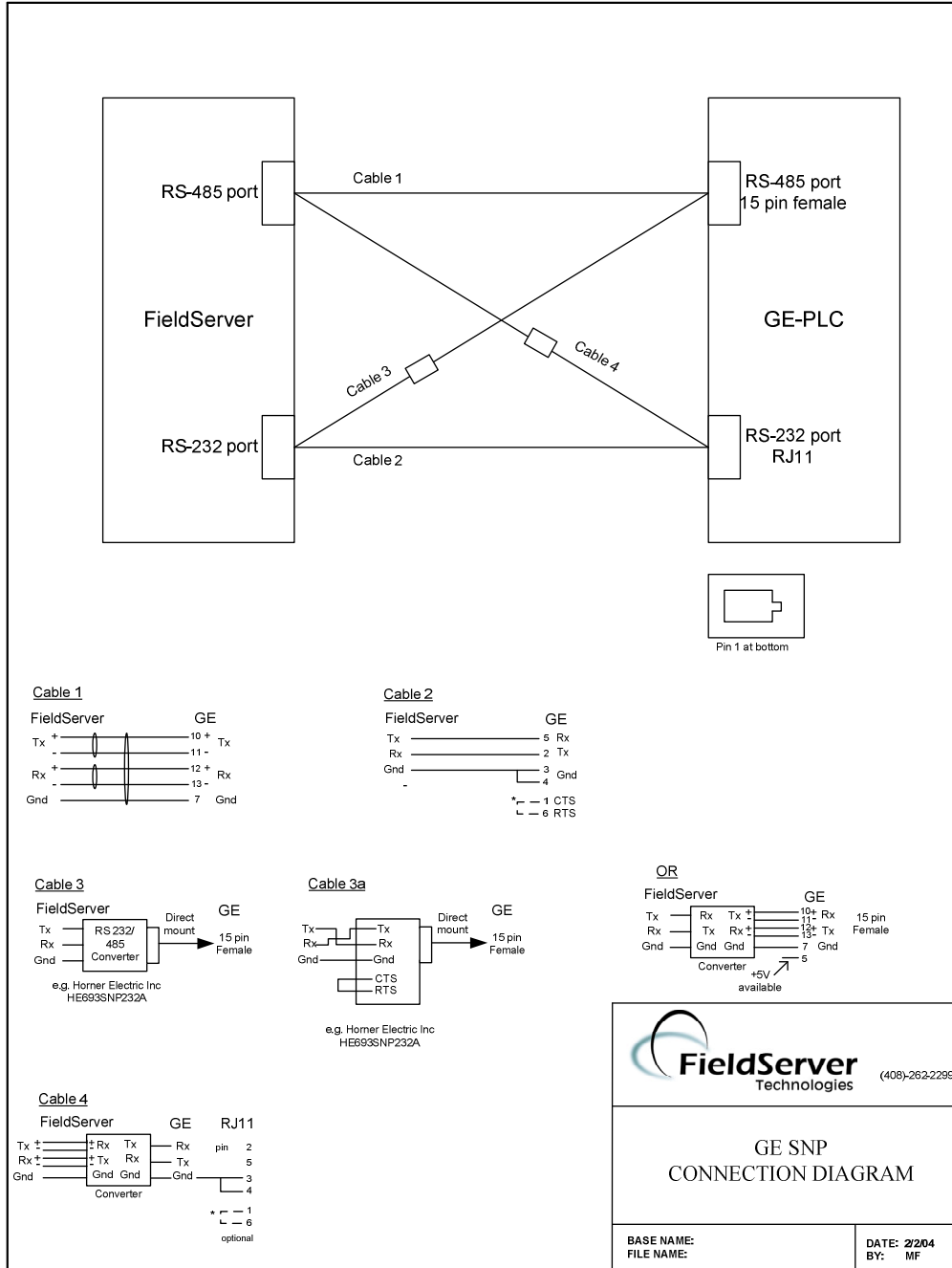
Device	Tested (FACTORY, SITE)
Series 90-30 CPU 364	
Intellution FIX32's SNP device driver.	

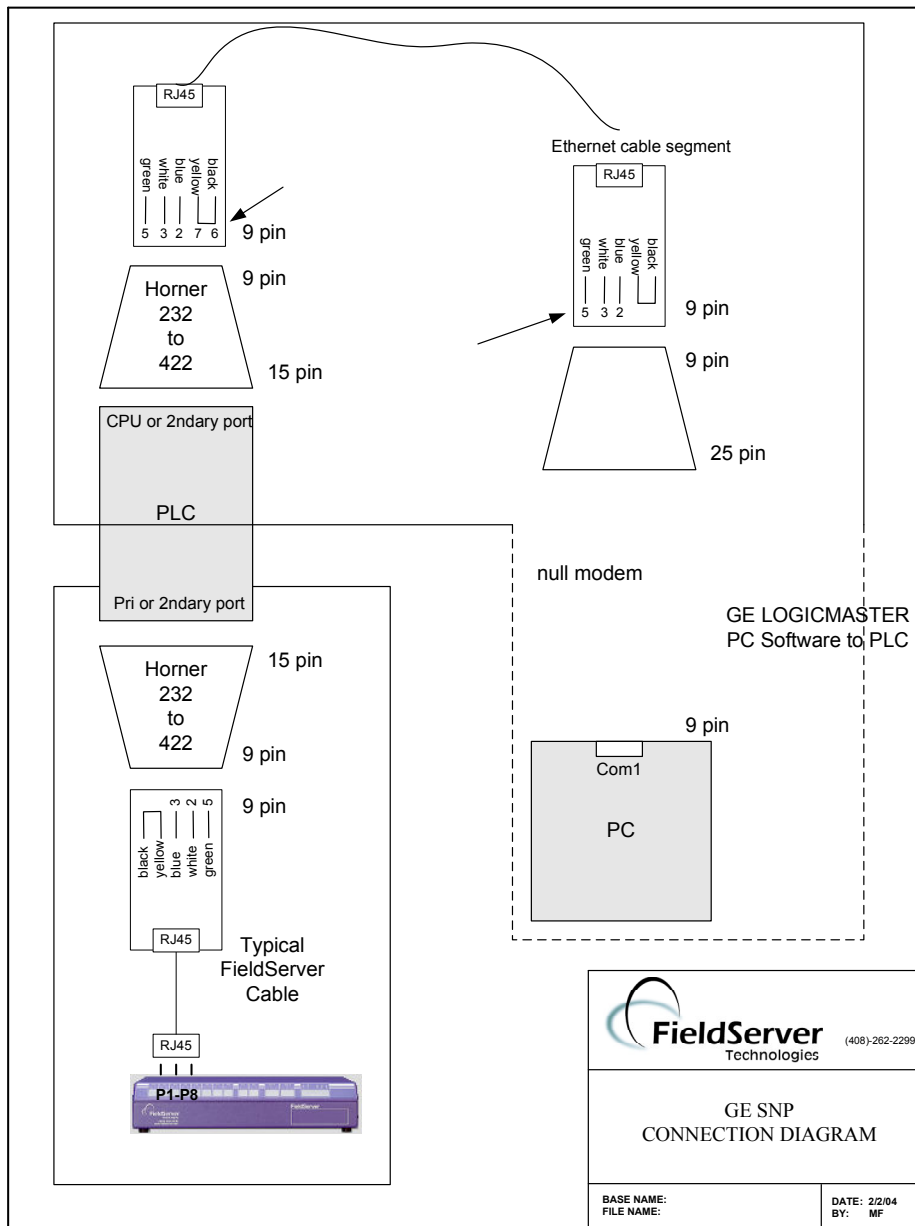


Connection configurations

The FieldServer is connected to the GE PLC in one of two ways.

Almost every GE PLC has a RS-232 and RS-485 port. Cable configurations are illustrated below.





Connection Notes

- 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 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.
- Up to 4096 bytes of data can be handled in a single transaction.



Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	
Digital Input	
Analog Register	
Digital Register	
Analog Output	
Digital Output	

Read Operations supported

FieldServer as a Client	FieldServer as a Server
Discrete Inputs (%I)	Discrete Inputs (%I)
Discrete Outputs (%Q)	Discrete Outputs (%Q)
Discrete Temporaries (%T)	Discrete Temporaries (%T)
Discrete Internals (%M)	Discrete Internals (%M)
Genius Global Data (%G)	Genius Global Data (%G)
Analog Inputs (%AI)	Analog Inputs (%AI)
Analog Outputs (%AQ)	Analog Outputs (%AQ)
Registers (%R)	Registers (%R)
%SA Discrete	%SA Discrete
%SB Discrete	%SB Discrete
%SC Discrete	%SC Discrete
%S Discrete (%S)	%S Discrete (%S)