



Driver Version: 1.01  
Document Revision: 7

## FieldServer Driver - Fieldbus FS-8700-57 Profibus Multi-Slave

### Description

The Profibus Multi-Slave driver allows the FieldServer to transfer data to and from a Profibus DP master using Profibus DP protocol. The SST 5136-PBMS Communications Adapter card is included with the FieldServer. The FieldServer can emulate up to 125 DP slave units each having an input and output buffer of 244 bytes each. The buffer data can be organized in other FieldServer data-types like Integers and Floating point numbers for seamless data-passing to other protocols. A maximum of 30500 bytes of input and 30500 bytes of output data can be transferred.

FieldServer Mode	Nodes	Comments
Server	125	A maximum of 125 DP slaves can be emulated

### Formal Driver Type

Fieldbus - Profibus  
Server

### Compatibility Matrix

FieldServer Model	Compatible with this driver
FS-x2010	No
FS-x2011	No
FS-x40	Yes

### Connection Information

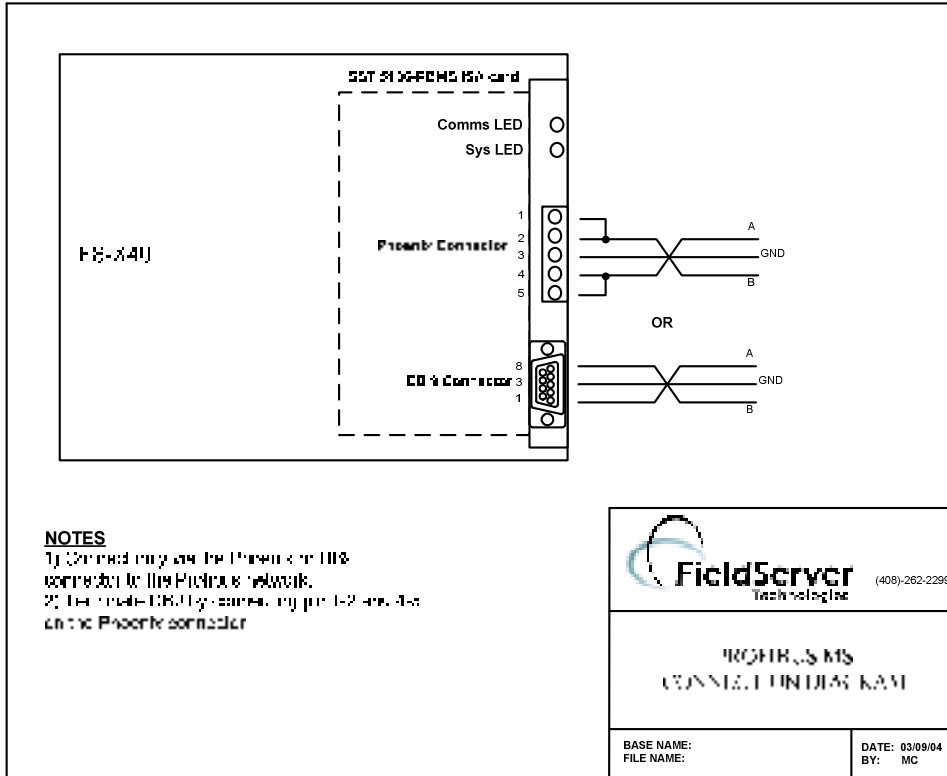
**Connection type:** Profibus  
**Baud Rates:** 9600, 19200, 93.75K, 187.5K, 500K, 750K, 1.5M, 3M, 6M, 12M  
**Hardware interface:** SST 5136-PBMS

### Devices tested

Device	Tested (FACTORY, SITE)
SST 5136-PFB-ISA ( DP Master )	FieldServer Technologies



**Connection configurations**



**Connection Notes**

Please note that actual baud rates achievable on the Profibus network depend on the type and quality of network cable used as well as to the correct termination of the network. Please refer to Profibus network wiring requirements and to other device manufacturer's documentation if necessary.



**Communications functions – Supported functions at a glance**

**Data Types Supported**

<b>FieldServer Data Type</b>	<b>Description (or Device Data Type)</b>
2-byte Integer ( Signed and Unsigned )	Buffer arranged as words
8-bit Byte	Buffer arranged as bytes
4-byte Float	Buffer arranged as double-words
Bit	Buffer arranged as bytes

**Data Operations supported**

<b>FieldServer as a DP Slave</b>
Accept Output Buffer Data from a DP Master
Provide Input Buffer Data to a DP Master

**Unsupported Functions and Data Types**

<b>Function</b>	<b>Reason</b>
Programming messages	The FieldServer is a data transfer device, and as such, programming messages are not required

