

### 1 DESCRIPTION

The FieldServer Profibus DP Slave driver can be used to emulate a single slave station on a Profibus network. DP Masters can open a connection of up to 244 Bytes of Input and 244 Bytes of Output data, but not exceeding a combined total of 416 Bytes to the FieldServer. The FieldServer can be added to the Profibus network with the use of the supplied GSD file for the ANYBUS™ card. Connection to the Profibus network is via a DB9 port on the ANYBUS™ card.

#### 1.1 Connection Facts

FieldServer Mode	Nodes	Comments
Server	1	The FieldServer can only emulate one Profibus DP Slave station

### 2 FORMAL DRIVER TYPE

Fieldbus

Server Only

### 3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x30	No
FS-B3512	Yes
SlotServer	No
ProtoNode	No
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	No
ProtoCessor FPC-ED2	No
ProtoCessor FPC-ED4	No

### 4 CONNECTION INFORMATION

Connection type: Proprietary  
 Baud Rates: 9.6k, 19.2k, 93.75k, 187.5k, 500k, 1.5M, 3M, 6M, 12Mbit/s.  
 Hardware interface: Driver is auto-sensing. Anybus-S Profibus DP

### 5 PROPRIETARY PHYSICAL INTERFACES SUPPORTED

FieldServer Model	Adapter Model #	Vendor	Physical Medium
FS-B3512	Anybus-S Profibus DP	HMS Networks	Twisted pair

### 6 DEVICES TESTED

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

### 7 COMMUNICATIONS FUNCTIONS – SUPPORTED FUNCTIONS AT A GLANCE

#### 7.1 Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
2-byte Integer (Signed and Unsigned)	Buffer arranged as WORDS
8-bit Byte	Buffer arranged as BYTES
4-byte Float	Buffer arranged as FLOATS
Bit	Buffer arranged as BYTES

#### 7.2 Data Operations Supported

FieldServer as a Profibus Slave
Accept Output Buffer Data from a Profibus DP Master
Provide Input Buffer Data to a Profibus DP Master

#### 7.3 Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required