

1 DESCRIPTION

The DH+ driver allows the FieldServer to transfer data to and from devices using DH+ protocol. The Communications Adapter card is included with the FieldServer. The FieldServer can emulate either a Server or Client.

The information that follows describes how to expand upon the factory defaults provided in the configuration files included with the FieldServer.

FieldServer Mode	Nodes	Comments
Client	254	
Server	1	

2 FORMAL DRIVER TYPE

Fieldbus
Client or Server

3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x2010	No
FS-x2011	No
FSx25	No
FS-x30	No
FS-x40	Yes
SlotServer	No
ProtoCessor FPC-FO2	No
ProtoNode	No
ProtoCessor FPC-FD2	No
QuickServer FS-QS-1010	No
QuickServer FS-QS-1011	No

4 CONNECTION INFORMATION

Baud Rates: 110-115200 Baud (Standard Baud Rates Only)

5 PROPRIETARY PHYSICAL INTERFACES SUPPORTED

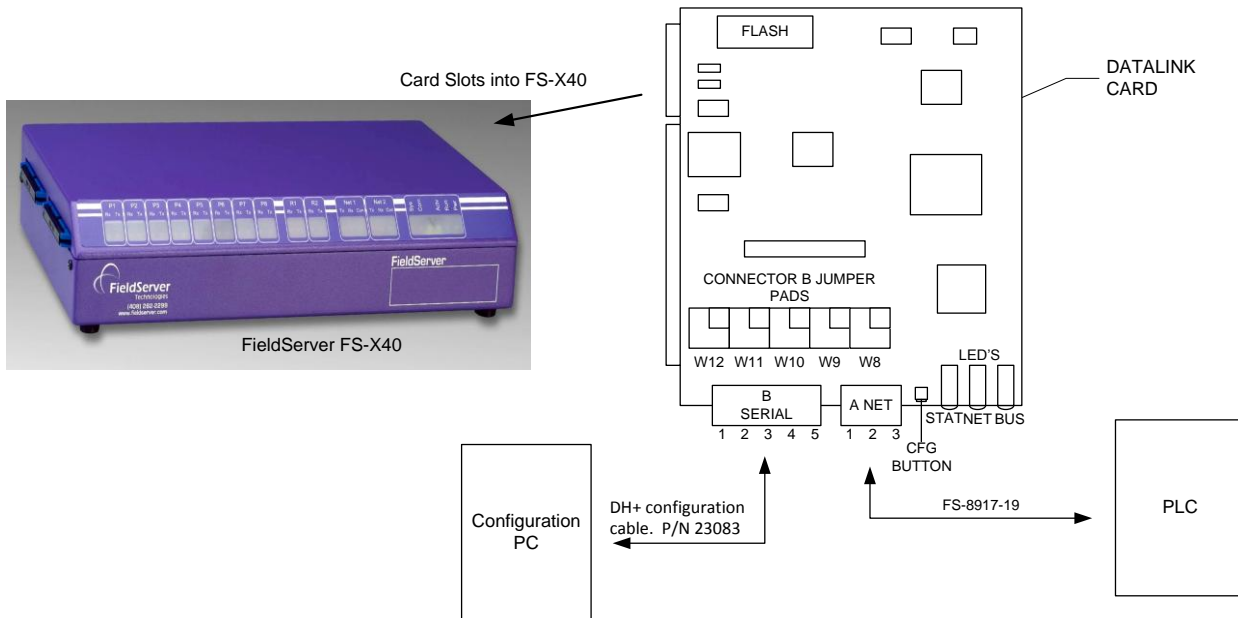
FieldServer Model	Adapter Model #	Vendor	Physical Medium
		DH+ "Blue Hose"	

6 DEVICES TESTED

PLC types Supported: PLC5, SLC5, PLC3

7 CONNECTION CONFIGURATIONS

The FieldServer is connected to the DH+ as shown in connection drawing.



Connector Pinouts – DataCard 3-pin (A NET) connection to PC

Datacard Function	Datacard Pin#	DH+/RIO Network	PLC-5 DH+ Program Port	Color
	Phoenix Connector	Phoenix Connector	DB 9M Connector	
Signal+	A1	1	1	Clear
Ground	A2	2	7	Shield
Signal -	A3	3	5	Blue

Connector Pinouts – DataCard 5-Pin (B Serial) connection to DH+ Configuration Cable

Function	DB9M Pin#	DH+ 5-pin connector Pin#
RX	2	5
TX	3	3
GND	5	4

7.1 Hardware Connection Tips / Hints

Configure the PLC according to manufacturer's instructions and configure checksum to use BCC checksum, not CRC.

8 COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

8.1 Data Types Supported:

Data Type	Description
I	Input
O	Output
B	Bit
N	Integer
C	Counter
T	Timer
S	System Status
St	String
F	Float

8.2 Command Support

The following commands are supported by the FieldServer for the various PLC types:

PLC_Type	File_Type	FN C	Read	FNC	Write	Typical Command
PLC3	N	1	Range Read	0	Range Write	N7: 3, L5
	F	1	Range Read	0	Range Write	F12: 3, L5
	B	1	Range Read	2	Bit Write	B3/4: 5, L5
PLC5	N	1	Range Read	0	Range Write	N7: 3, L5
	F	1	Range Read	67	Typed Write	F12: 3, L5
	B	1	Range Read	26	Read Modify Write	B3/4: 5, L5
SLC5	N	A2	Protected Typed Logical Read	AA	Protected Typed Logical Write	N7: 3, L5
	F	A2	Protected Typed Logical Read	AA	Protected Typed Logical Write	B3/4: 5, L7
	B	A2	Protected Typed Logical Read	AB	Protected Typed Logical Write	B3/4: 5, L8
	I	A2	Protected Typed Logical Read	-	-	I: 13, L5
	O	A2	Protected Typed Logical Read	-	-	O: 13, L5