



## FieldServer Driver FS8700-43 VESDA

### Description

The VESDA driver allows the FieldServer to read data from VESDA LaserPLUS controllers (FAS or FD type) via the VESDA High Level Interface (HLI) communications module, using RS-232. The FieldServer can be used only as a Client with this driver, and operates in the HLI Master/Slave mode.

Fieldserver Mode	Nodes	Comments
Client	1	1 HLI can be connected to each RS-232 port
Server	nil	Not applicable

### Formal Driver Type

Serial  
Client Only

### Connection Information

**Connection type:** RS-232  
**Baud Rates:** 19200 Baud (determined by VESDA HLI)  
**Data Bits:** 8  
**Stop Bits:** 1  
**Parity:** None  
**Multidrop Capability** No

### Proprietary Physical Interfaces Supported

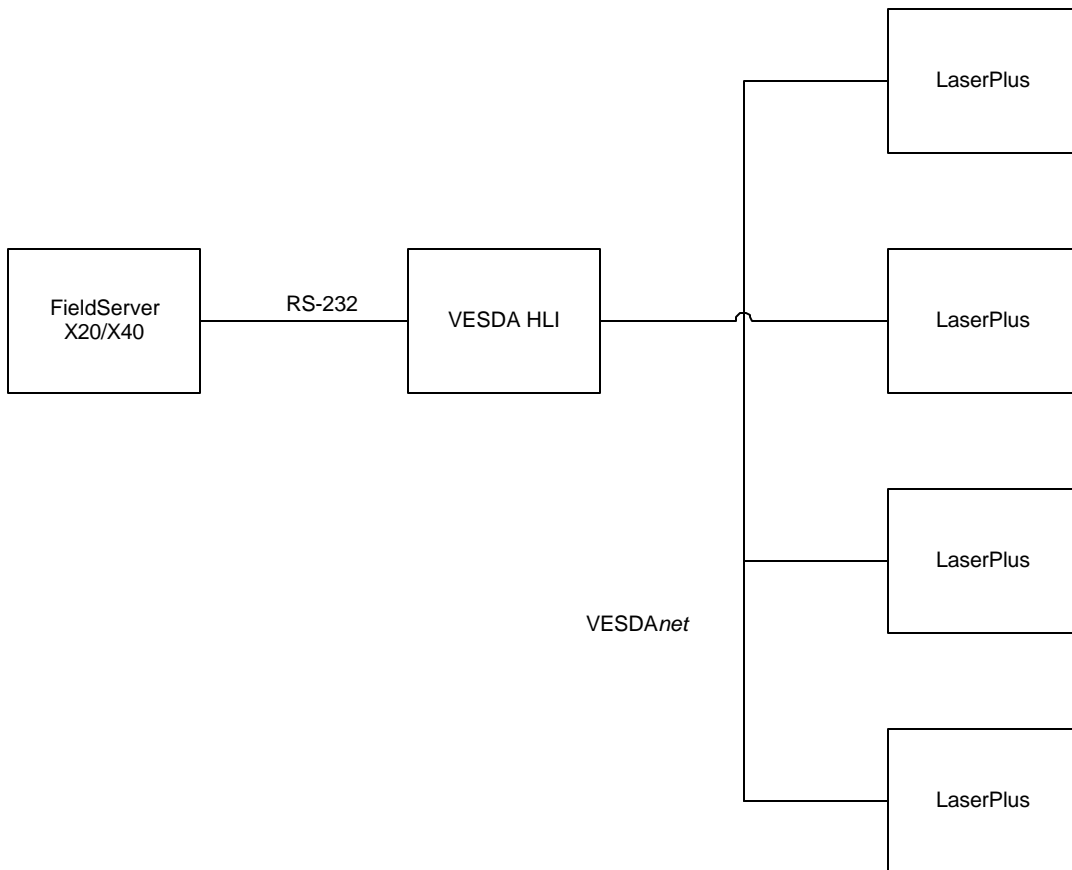
Fieldserver Model	Adapter Model #	Vendor	Physical Medium
X20, X40	VESDA HLI Note: both LaserPLUS FAS (First Alarm Sector) and FD types are supported	VESDA	RS-232



Devices tested

Device	Tested (FACTORY, SITE)
VESDA HLI	FACTORY

Connection configurations





**Communications functions**

Supported functions at a glance

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	Smoke Level, Airflow
Digital Input	Pipe Status, Faults, Alarms
Analog Register	n/a
Digital Register	n/a
Analog Output	n/a
Digital Output	Remote Input commands

Read Operations Supported

FieldServer as a Client	FieldServer as a Server
<b>Read Analog / Binary Status:</b>	n/a
Zone Update (Command 4)	n/a
Update Display Status (Command 10)	
Current Fault Status (Command 12)	
Update Airflow Status (Command 16)	

Write (control) Operations Supported

FieldServer as a Client	FieldServer as a Server
<b>Write Binary Commands:</b>	n/a
Remote Input (command 6) – values: Reset, Isolate, De-Isolate, Silence, Test, Scan Start, Scan Stop	n/a

Unsupported Functions and Data Types

Function	Reason
Comprehensive Level Interface functionality	FieldServer is a data transfer device, and as such, programming and configuration messages are not implemented



**Revision History**

Date	Driver Version	Document Revision	Resp	Comment
11/19/02	1.00d	0	JCE	Created
11/19/02	1.00d	1	GFM	Releasing
12/19/02	1.00d	3	MF	Updated formatting
4/3/03	1.00d	4	JD	Releasing