



**Driver Version:** 1.01  
**Document Revision:** 1

## FieldServer Driver FS-8704-01 SMC TCP/IP

### Description

The SMC TCP/IP driver hereafter called the SMT driver can be used for inter-bridge (FieldServer to FieldServer) communications to perform tasks like mirroring data arrays between FieldServers.

Fieldserver Mode	Nodes	Comments
Client	N/A	Inter-bridge Communications to virtually an unlimited number of FieldServers. Memory limitations may apply when a large number of Nodes are used.
Server	N/A	Inter-bridge Communications to virtually an unlimited number of FieldServers. Memory limitations may apply when a large number of Nodes are used.

### Formal Driver Type

Ethernet  
Client or Server

### Compatibility Matrix

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

### Connection Information

**Connection type:** Ethernet  
**Ethernet Speeds Supported** 10Base-T, 100Base-T<sup>1</sup>

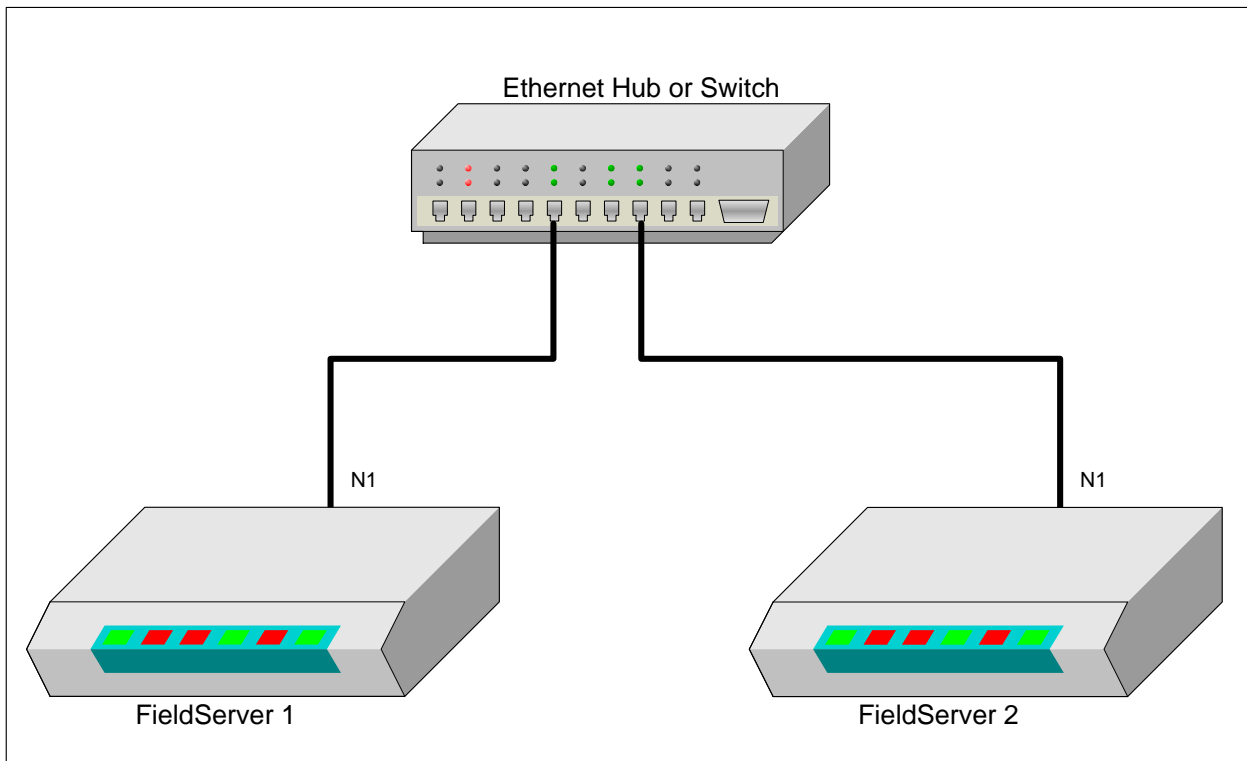
<sup>1</sup> Not all FieldServer models support 100BaseT. Consult the appropriate instruction manual for details of the Ethernet speed supported by specific hardware.



**Devices tested**

Device	Tested (FACTORY, SITE)
Inter-bridge Communications between all FieldServers listed in the compatibility matrix	Factory

**Connection configurations**



**Connection Notes**

Please use the appropriate category Ethernet cable, i.e. at least CAT5 for a 100Mb/s connection.



**Communications functions - Supported functions at a glance:**

**Data Types Supported**

FieldServer Data Type	Description (or Device Data Type)
Bit	1 bit
Byte	8 bits
Signed and unsigned Integer	16 bits
Signed and unsigned Long Integer	32 bits
Float	32 bits

**Read Operations supported**

FieldServer as a Client	FieldServer as a Server
Read Data Array Value ( all Data Types )	Provide Data Array Value ( all Data Types )

**Write (Control) Operations supported**

FieldServer as a Client	FieldServer as a Server
Write Data Array Value ( all Data Types )	Accept Data Array Write ( all Data Types )

**Unsupported Functions and Data Types**

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

**Unsupported Devices or Protocol Options**

Device	Details
Non FieldServer bridge devices	Proprietary FieldServer protocol



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