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.

Connection Facts

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

FieldServer Model	Compatible
ProtoCessor	No
ProtoCarrier	No
ProtoNode	No
ProtoAir	No

FieldServer Model	Compatible
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	Yes
QuickServer FS-QS-20xx	Yes
QuickServer FS-QS-22xx	Yes
QuickServer FS-QS-3x10-F	Yes

Connection Information

Connection Type: Ethernet
Baud Rates: 10Base-T, 100Base-T

Devices Tested

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

Communication Functions

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 Value (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 Field Server protocol