

## FieldServer Driver - Serial FS-8700-40 TAC I/Net 2000

**Driver Code:** INT  
**Version:** 1.04  
**Physical Interface:** EIA485 on MR LAN  
**Devices Supported:** TAC I/Net 7793

### Overview

The I/Net driver is available as a client and a server. The client can poll MR devices on a MR LAN. The server can emulate MR devices on a MR LAN. The client and server drivers both support quick polling. Quick polling refers to the ability to only report changed data whereas normal polling reports all data irrespective of changes.

The drivers support the basic I/Net data points. Data may be collected and stored in any combinations of input and output points making it easier to move data around. Only the specified I/Net type data will be stored.

### Client Configuration File Structure

Using the driver as a client involves setting up the remote MR devices that have to be polled in the CSV file. One MR device is allowed per port on the bridge. Each MR device can have up to 32 stations each containing 10 input and 10 output control points.

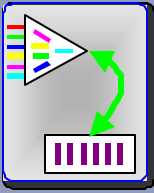
Map descriptors must be setup to send I/Net command polls. A map descriptor's function is linked to the client driver sending a certain command. Currently the following client commands are available:

I/Net command
Read all points
Quick poll all points
Control input points
Control output points

Each map descriptor must also be setup to point to a specific I/Net point type:

I/Net point types
analog_input
analog_output
discrete_indicate
discrete_output
discrete_monitor
discrete_control
discrete_alarm

Any combination of I/Net point types may be used.



### Server Configuration File Structure

The server emulates MR devices. Currently only one MR device can be configured per bridge. Each MR device can have up to 32 stations. Stations are specified as node ids. Each station contains 10 input and 10 outputs control points that can be polled.

The server can handle client polls with the following commands:

Command Code	Command Description	Implementation
00	Read All Points	Full Support
01	Read All Points (Power Failure)	Full Support
02	Control Output Points	Full Support
03	Control Input Points	Canned Response
04	Set Date & Time	Canned Response
06	Cold Start	Canned Response
XF	Diagnostics	No Response
13	Download Point Record	Partial
19	Download DDC Module	Canned Response
1A	Download Permanent Conversion Coefficient	Canned Response
1B	Download Stat Parameters	Canned Response
1C	Download ATS Parameters	Canned Response
23	Upload Point Record	Canned Response
28	Read DDC Line	Canned Response
29	Upload DDC Module	Canned Response
2A	Upload Permanent Conversion Coefficients	No Response
2B	Upload Stat Parameters	No Response
2C	Upload ATS Parameters	No Response
30	Read all DDC Lines	Canned Response
	Quick Poll (No Change)	PP
	Quick Poll (Item Changed)	PP & Changes