

DF1_Ethernet Communication Driver

This document has the specific information related to this driver configuration. For a generic explanation on Device Module, Channels, Nodes and Points configuration, please refer to reference guide.

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Section 1 – Summary Information

Communication Driver Name: DF1_Ethernet

Implementation DLL: T.ProtocolDriver. DF1_Ethernet.dll

Protocol: DF1

Interface: TCPIP

PLC types supported: Devices Using DF1 Protocol (SLC Families, and PLC5)

Manufacturer: Rockwell

PC Hardware requirements: Ethernet board

Section 2 – Channel Configuration

Protocol Options

No specific information related to this configuration.

Section 3 – Node Configuration

Station Configuration

Station syntax: <IP > ; <Port >

Where :

<IP> = IP address of the slave device in the AB network

< Port > = TCP port where the slave device is listening (default is 2222)

E.g.: 192.168.1.101 ; 2222

Section 4 – Point Configuration

Address

The syntax for the AB Ethernet communication points are:

- **<FileType><FileNumber>:<ElementNumber>**

FileType: the valid values are:

File	Read	Write	Bit Read	Bit Write	Data Type	Address size
N Integer	✓	✓	✓	✓	Word	2 bytes
B Binary	✓	✓	✓	✓	Word	2 bytes
F FloatPoint	✓	✓	✓	✓	Single	4 bytes
O OutputLogical	✓	✓	✓	✓	Word	2 bytes
I InputLogical	✓		✓		Word	2 bytes

ElementNumber: element address in configured file.

Section 5 – Troubleshoot

The status of the driver execution can be observed through the diagnostic tools, which are:

- Trace window
- Property Watch
- Module Information

Status value of 0 (zero) means communication success. Negative values indicate internal driver error and positive values means protocols errors according AB specification.

Revision History

Revision	Description	Date
A	Initial Revision	July 2012
B	Included PLC5 equipment	January 2013