AB Rockwell Micrologix Serial Connector

AB Rockwell MicroLogix 1100 and 1400 devices

- Name: **DF1Serial**
- Version 1.0.1.2
- Protocol: DF1
- Interface: Serial RS-232
- Runtime: .NET 2.0 (Multiplatform)
- Configuration:
    - Devices / Protocols

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Module Configuration

This document has only information about the device connection settings and its address syntax.

For further Information, see:

- Devices Module
- Devices Module Reference

Supported Files

Files	Read	Write	Data Type	Address size
N	**Yes**	**Yes**	Word	2 bytes
B	**Yes**	**Yes**	Bit	1 bit
F	**Yes**	**Yes**	Single	4 bytes
O	**Yes**	**Yes**	Output	1 bit
I	**Yes**	**Yes**	Input	1 bit

Channels Configuration

Protocol Options

CheckSum: It defines the checksum currently being used by the device, whether it is CRC or BCC.

Settings

Set the fields according to your serial port configuration.

Nodes Configuration

Station Configuration

SlaveId: Set this field with the address of the slave device in the network.

Points Configuration

Point Address Configuration

The syntax for the DF1 Serial communication point is: ***<FileType><FileNumber>:<Address>***

Where ***<FileType>*** indicates the memory area, the valid values are:

- **N**, for Integer
- **B**, for digital

- **F**, for real

<FileNumber> indicates the data address for the chosen file (up to ***255***).
<Address> indicates the address from the specific file which will read and/or write from PLC.

For **I/O**, the syntax is: ***<FileType>:<Slot>/<Address>***

- **O**, for digital (output)
- **I**, for digital (input)

<Slots> indicates the position where the **I/O** module is connected to on the PLC

E.g.:

- ***F8:0***
- ***N21:1***
- ***B21:1/6***
- ***I:0/0***

Driver Revision History

DF1 Serial Revision History	
Version	**Notes**
1.0.1.2	Initial release on new documentation standards.

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