Altus Alnet I Connector

- Name: **Alnet**
- Version: 1.14.0.0
- Protocol: Alnet I (Proprietary)
- Interface: Standard Serial Port
- Runtime: .Net 4.8 (Multiplatform)
- Configuration:
  - Devices / Protocols

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Overview

Devices compatible with Alnet I protocol.

Communication Driver Information	
Driver name	Alnet
Assembly Name	T.ProtocolDriver.Alnet
Assembly Version	1.14.0.0
Available for Linux	True
Devices supported	AL-2000 family
Manufacturer	Altus
Protocol	Alnet I (Proprietary)
PC Requirements	Serial or MultiSerial

Supported Operands

Operand	Read	Write	Bit Read	Bit Write	Data Type	Address size
E - Input Octet	**Yes**	**Yes**	**Yes**	**Yes**	Byte	1 byte
S - Output Octet	**Yes**	**Yes**	**Yes**	**Yes**	Byte	1 byte
A - Auxiliary	**Yes**	**Yes**	**Yes**	**Yes**	Byte	1 byte
M - Memory	**Yes**	**Yes**	**Yes**		Word	2 bytes
I - Integer	**Yes**	**Yes**	**Yes**		DWord	4 bytes
D - Decimal	**Yes**	**Yes**	**Yes**		LBCD	4 bytes
F - Real	**Yes**	**Yes**			Single	4 bytes
TM - Memory Table	**Yes**	**Yes**	**Yes**		Word	2 bytes
TI - Integer Table	**Yes**	**Yes**	**Yes**		DWord	4 bytes
TD - Decimal Table	**Yes**	**Yes**	**Yes**		LBCD	4 bytes
TF - Real Table	**Yes**	**Yes**			Single	4 bytes

Channels Configuration

Protocol Options

BlockSize: Defines the maximum amount of items per group, the default value is 248.

Family: Set the PLC family. It can be:

- ***2000:*** For the AL-2000 series.

EventsTableSize: Size of the events table for unsolicited messages. Default value: 64.

EventsDataSource: Source of events: "PLC" (default) or "Computer".

Trace: Enables/disables communication debug logs. Default: "Disabled".

Nodes Configuration

Station Configuration

not used

Points Configuration

The syntax for the Alnet communication points are:

- ***%<Operand><Address>***

  Operand: Indicates the memory area, the valid values are:

Operand	Read	Write	Bit Read	Bit Write	Data Type	Address size
E - Input Octet	**Yes**	**Yes**	**Yes**	**Yes**	Byte	1 byte
S - Output Octet	**Yes**	**Yes**	**Yes**	**Yes**	Byte	1 byte
A - Auxiliary	**Yes**	**Yes**	**Yes**	**Yes**	Byte	1 byte
M - Memory	**Yes**	**Yes**	**Yes**		Word	2 bytes
I - Integer	**Yes**	**Yes**	**Yes**		DWord	4 bytes
D - Decimal	**Yes**	**Yes**	**Yes**		LBCD	4 bytes
F - Real	**Yes**	**Yes**			Single	4 bytes

  Address: Indicates the data address in the memory area.

  Ex: %E0000 (Operand = E, Address = 0)

- ***%<Operand><TableId>[TablePosition]***

  Operand: Indicates the memory area, the valid values are:

Operand	Read	Write	Bit Read	Bit Write	Data Type	Address size
TM - Memory Table	**Yes**	**Yes**	**Yes**		Word	2 bytes
TI - Integer Table	**Yes**	**Yes**	**Yes**		DWord	4 bytes
TD - Decimal Table	**Yes**	**Yes**	**Yes**		LBCD	4 bytes
TF - Real Table	**Yes**	**Yes**			Single	4 bytes

  TableId: Indicates the table memory area.

  TablePosition: Indicates the position in table memory area.

  Ex: %TM0001[2] (Operand = TM, TableId = 1 TablePosition = 2)

Driver Revision History

Alnet Driver Revision History	
Version	**Notes**

1.14.0.0	Initial release on new documentation standards

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