

Industrial communication solutions for Windows

XATOS Driver Manual

Atos PLC Driver for MPC-1600, MPC-2002 and MPC-4004

Contents

XATOS technical specifications	2
General information.....	2
Command list	2
PBYT Read a byte.....	2
PBLOCW Read a Memory Block (Words)	2
PBLOCB Read a Memory Block (Bytes).....	2
VAR Write a variable (WORD).....	3
BYT Write a byte.....	3
Error messages	3
Supported devices.....	3

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XATOS technical specifications

General information

XATOS driver allows you to connect to the ATOS Plc's to computer by RS-485 with communication protocol APR03.
This driver was developed by Main Ingenieros Ltda., Chile.

Command list

PBYT Read a byte

Description of this command:

Request Byte information from Slave device.

Methods used to run this command:

Analog Input (ReadNumericValues) or Digital Input (ReadBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Station number (1-31)

Meaning of the DriverP1 parameter:

5

Meaning of the DriverP2 parameter:

Adress to read

PBLOCW Read a Memory Block (Words)

Description of this command:

Request Slave device Memory Block (Words).

Methods used to run this command:

Analog Input (ReadNumericValues)

Number of points accepted by this command:

1-256

Meaning of the DriverP0 parameter:

Station number (1-31)

Meaning of the DriverP1 parameter:

7

Meaning of the DriverP2 parameter:

Adress to read

PBLOCB Read a Memory Block (Bytes)

Description of this command:

Request Slave device Memory Block (Bytes).

Methods used to run this command:

Analog Input (ReadNumericValues) or Digital Input (ReadBooleanValues)

Number of points accepted by this command:

1-256

Meaning of the DriverP0 parameter:

Station number (1-31)

Meaning of the DriverP1 parameter:

8

Meaning of the DriverP2 parameter:

Adress to read

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VAR Write a variable (WORD)

Description of this command:

Write Slave device variable value (Word).

Methods used to run this command:

Analog Output (WriteNumericValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Station number (1-31)

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

Adress to read

BYT Write a byte

Description of this command:

Write Byte information from Slave device.

Methods used to run this command:

Analog Output (WriteNumericValues) or Digital Output (WriteBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Station number (1-31)

Meaning of the DriverP1 parameter:

3

Meaning of the DriverP2 parameter:

Adress to read

Error messages

The following list shows the possible error messages that can be returned by the driver during a failed communication in the 'Status' property.

[1005] DRIVER (Internal): Invalid driver stage
[1300] PROTOCOL (Timeout): No answer
Checksum error
Internal error:Invalid stage
P0:Invalid Adress (1-31)
P1:Invalid command
SIZE:Demasiados Datos (max.:1)
SIZE:Demasiados Datos (max.:8)
SIZE:Too many elements (max.:1)

Supported devices

This driver can communicate with these devices, but is not necessarily limited to this list:

ATOS MPC-1600 PLC
ATOS MPC-2002 PLC
ATOS MPC-4004 PLC

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