Industrial communication solutions for Windows

XSIXNET Driver Manual

SixNet GTU Protocol Driver

Contents

CPKSoft Engineering

Industrial communication drivers.

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XSIXNET technical specifications

General information

XSIXNET allows you to connect to the SIXNET Versamux Remote terminal units.

Command list

Read Discrete Values

Description of this command:
Obtains current status (ON/OFF) in a group of discrete values.
Methods used to run this command:
Digital Input
Number of points accepted by this command:
1-1000.
Meaning of the DriverP0 parameter:
RTU Station Number (0-255).
Meaning of the DriverP1 parameter:
Host Station Number (0-255).
Meaning of the DriverP2 parameter:
10
Meaning of the DriverP3 parameter:
Indicates the starting memory address.

Read Byte Values

Description of this command:
Obtains current values in one or more registers as numbers between 0 and 255.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-240.
Meaning of the DriverP0 parameter:
RTU Station Number (0-255).
Meaning of the DriverP1 parameter:
Host Station Number (0-255).
Meaning of the DriverP2 parameter:
11
Meaning of the DriverP3 parameter:
Indicates the starting memory address.

Read Analog Values

Description of this command:
Obtains current values in one or more registers as numbers between -32768 and 32767.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-120.
Meaning of the DriverP0 parameter:
RTU Station Number (0-255).
Meaning of the DriverP1 parameter:
Host Station Number (0-255).
Meaning of the DriverP2 parameter:
12
Meaning of the DriverP3 parameter:
Indicates the starting memory address.

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Write Discrete Values

Description of this command:
Sets status (ON/OFF) in a group of discrete values.
Methods used to run this command:
Digital Output
Number of points accepted by this command:
1-1000.
Meaning of the DriverP0 parameter:
RTU Station Number (0-255).
Meaning of the DriverP1 parameter:
Host Station Number (0-255).
Meaning of the DriverP2 parameter:
14
Meaning of the DriverP3 parameter:
Indicates the starting memory address.

Write Byte Values

Description of this command:
Sets current values in one or more registers as numbers between 0 and 255.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
1-240.
Meaning of the DriverP0 parameter:
RTU Station Number (0-255).
Meaning of the DriverP1 parameter:
Host Station Number (0-255).
Meaning of the DriverP2 parameter:
15
Meaning of the DriverP3 parameter:
Indicates the starting memory address.

Write Analog Values

Description of this command:
Sets current values in one or more registers as numbers between -32768 and 32767.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
1-120.
Meaning of the DriverP0 parameter:
RTU Station Number (0-255).
Meaning of the DriverP1 parameter:
Host Station Number (0-255).
Meaning of the DriverP2 parameter:
16
Meaning of the DriverP3 parameter:
Indicates the starting memory address.

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
[1421] PROTOCOL (Format): Negative acknowledge received from device
[1433] PROTOCOL (Format): Validation error in device response
[2182] CONFIG (NumValues): Too many values (max=120)
[2200] CONFIG (NumValues): Too many values (max=240)
[3000] CONFIG (P0): Identical source and destination station number (P0=P1)

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[3014] CONFIG (P0): Invalid device address (0-255)
[3573] CONFIG (P1): Invalid source station number (0-255)
[4030] CONFIG (P2): Invalid command
[4532] CONFIG (P3): Invalid data type
[5000] CONFIG (P4): Invalid address
[8013] CONFIG (Remote): Acknowledge
[8034] CONFIG (Remote): Busy (rejected message)
[8138] CONFIG (Remote): Failure in associated device
[8168] CONFIG (Remote): Illegal data address
[8170] CONFIG (Remote): Illegal data value
[8172] CONFIG (Remote): Illegal function
[8347] CONFIG (Remote): Unknown error

Supported devices

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

SIXNET VX-TB1

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