MDIS device

MDIS device communication protocol

Description
Communication line configuration
Communication station configuration
Configuration of interfaces
Literature
Changes and modifications
Document revisions

Description

MDIS device protocol is used to control input-output peripherals and hardware of watchdog of devices produced by MEN.

Communication line configuration

• Communication line category: API

Communication station configuration

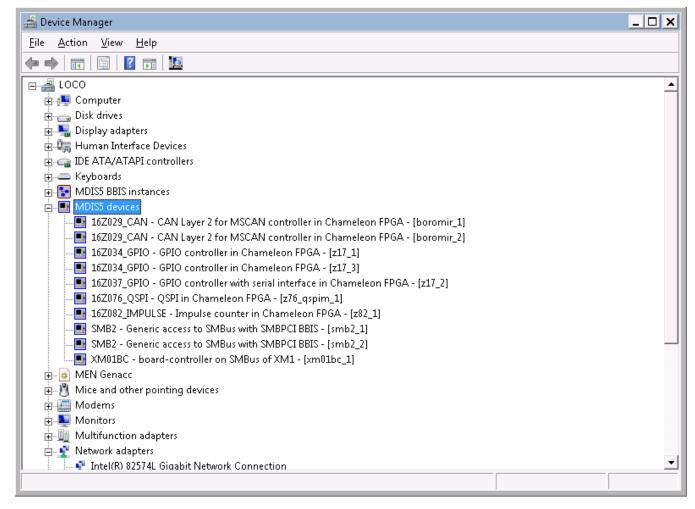
Station protocol parameters

Parameter	Description	Default value
Full Debug	Logging is enhanced with listings that enable fast error detection.	NO
I/O Interface Name	Unique text identifier of interface with binary input-outputs.	z17_9
Watchdog Interface Name	Unique text identifier of interface of HW watchdog.	xm01bc_1
Control Interface Name	Unique text identifier of interface that is used to configure other interfaces.	z17_1

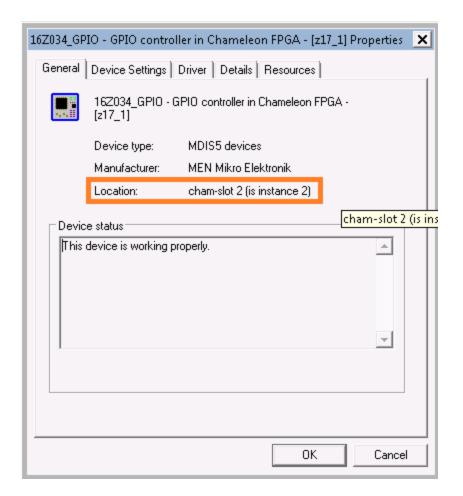
Configuration of interfaces

The configuration of MDIS5 interfaces is possible through Device Manager of Windows OD, tab "MDIS5 devices".

Types of interfaces can be identified by their name. **Binary IO** peripheral is a device called **16Z037_GPIO**. The name of **configuration interface** is **16Z034_GPIO**. In Device Manager you may find more devices of the same name. Therefore, you should display the properties to identified the particular interface. This interface should be placed in "**cham-slot 2(is instance 2)**" (see figure below). Next interface is **HW watchdog**, its name is **XM01BC**.



Each of these devices can be addressed via its unique identifier. The modification of identifier can be done in "Device Manager -> MDIS device -> Properties -> "Device Settings" tab.



Literature

Changes and modifications

Document revisions

• Ver. 1.0 – 13.5.2015 - creation of document



Related pages:

Communication protocols