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Revision



MOVI-C® CONTROLLER

power UHX85A and power eco UHX84A

1 Revision

This revision applies to the manual "MOVI-C® CONTROLLER power UHX85A and power eco UHX84A", part number 22781455, edition 05/2016.

Replacement

- Chapter 2.2 "Bus systems" is completely replaced by chapter 1.1 "Bus systems" (→ 2).

Supplement

- Chapter 3.4 "OMW71B/72B Windows® memory card option (card slot 2)" is supplemented by the subchapter 1.2 "Part numbers" (→ 2).
- Chapter 5 "Project planning and startup with Windows® 7 Embedded" is supplemented by chapter 1.3 "Visualization accessories" (→ 3).
- Chapter 7 "Technical data" is supplemented by subchapter 1.4 "Port overview" (→ 3).

1.1 Bus systems

A bus system makes it possible to adapt electronic drive components to the particulars of the machinery within wide limits. There is a risk that a change of parameters that cannot be detected externally may result in unexpected (but not uncontrolled) system behavior and may have a negative impact on operational safety, system availability, or data security.

Especially in Ethernet-based networked systems and with engineering interfaces, make sure that unauthorized access is prevented.

Use IT-specific safety standards to increase access protection to the ports. For a port overview, refer to the respective technical data of the used device.

1.2 Part numbers

Memory card for Windows®	Part number	Hard disk space
OMW71B	28208323	16 GB
OMW72B	28208331	32 GB

INFORMATION



- SEW-EURODRIVE recommends using the 32 GB version if you:
 - Want to use third-party software
 - Want to use the Windows® section as permanent working platform for plant programming.
- SEW-EURODRIVE does not assume liability if you install third-party software in addition to the installed basic software.

1.3 Visualization accessories

Type	Part number	Description
OPT71C-120	17974283	Touchscreen display size 12" with DVI interface for connection to the Windows® section of MOVI-C® CONTROLLER power and power eco, resolution 1280 x 800, 65k colors
OPT71C-150	17974291	Touchscreen display size 15" with DVI interface for connection to the Windows® section of MOVI-C® CONTROLLER power and power eco, resolution 1280 x 800, 65k colors
OVR71C	17974305	USB dongle for using the visualization software HMI-Builder PRO.

1.4 Port overview

1.4.1 Interface description

The Ethernet interfaces of the device have the following functions:

- LAN 1 – Ethernet interface for Windows® 7
- LAN 2 – EtherCAT® master of MOVI-C® CONTROLLER
- LAN 3 – Engineering interface for MOVI-C® CONTROLLER
- LAN 4 – Engineering interface for MOVI-C® CONTROLLER

1.4.2 Engineering interface

Port	TCP/UDP	Function	Authorization
21	TCP	FTP	Reading from and writing to the file system
23	TCP	Telnet	Reading OEM diagnostic data
310	TCP	DataStream	Reading and writing on all indexed parameters
11740 – 11743	TCP	CODESYS engineering	Read and write

1.4.3 Ethernet interface for Windows® 7

Depending on installation and configuration of Windows® 7 Embedded, and on additionally installed software components, the following ports are available:

Port	TCP/UDP	Function
7	TCP/UDP	Echo
9	TCP/UDP	Discard
13	TCP/UDP	Daytime
17	TCP/UDP	Quote of the day
19	TCP/UDP	Character generator protocol
135	TCP	Microsoft EPMAP (End Point Mapper)/DCE/RPC Locator Service
139	TCP	Microsoft EPMAP (End Point Mapper)/DCE/RPC Locator Service
161	UDP	SNMP
300	TCP/UDP	SMLP (MOVILINK® on Ethernet)

Port	TCP/UDP	Function
445	TCP	Microsoft-DS SMB release (also known as the free implementation Samba)
500	UDP	Internet Security Association and Key Management Protocol (ISAKMP)
515	TCP	Line Printer Daemon print services
3389	TCP	Microsoft Terminal Server (RDP), officially registered as Windows Based Terminal (WBT)
4500	UDP	IPSec NAT Traversal (RFC 3947)
5355	UDP	LLMNR – Link-Local Multicast Name Resolution