

Part no.	XP-503-10-A10-A01-1B
Article no.	184926
Catalog No.	XP-503-15-A10-A01-1B

## Delivery program

Common features of the model series			1.65 GHz dual-core CPU Powerful graphic processor 4GB DDR3-RAM Min. 32 GB SSD min. 4 GB of CFast removable memory 2x Ethernet interface 10/100/1000 Mbps 2x USB host 3.0 1x RS232 1x RS485 1x DVI-I Windows Embedded Standard 7 Galileo Open Runtime License Approvals CE, cUL508, CUL Class 1 Div 2 in preparation
Portrait format			no
Screen diagonal		Inch	10.1
built-in interfaces			2 x Ethernet 1000/100/10 Mbps 2 x USB host 3.0 1 x RS232 1 x RS485 1 x DVI-I
Slots			For CFast memory cards: 1

## Technical data

### Display

Screen diagonal		Inch	10.1
Visible screen area		mm	222.72 x 125.28
Brightness		cd/m <sup>2</sup>	Normally 550
Service life of back-lighting		h	Normally 50000

### Operation

Technology			PCT
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### System

Cooling			Fanless CPU and system cooling, natural convection-based passive cooling
Back-up of real-time clock			
Battery (service life)			Zero maintenance
Backup (time at zero voltage)			Normally 10 years

### Interfaces, communication

built-in interfaces			2 x Ethernet 1000/100/10 Mbps 2 x USB host 3.0 1 x RS232 1 x RS485 1 x DVI-I
Slots			For CFast memory cards: 1

### General

Housing material			Aluminium die-cast
Weight		kg	2.7
Degree of protection (IEC/EN 60529, EN50178, VBG 4)			IP65 (in the front as per EN 60529-1), IP20 (on rear as per EN 60529-1), NEMA12 (as per NEMA 250-2003)
Approvals			
Approvals			cUL (UL508), ATEX
certificate			CE
Applied standards and directives			
Emitted interference			As per EN 55022:2010 Class A and EN 61000-6-4:2007
Interference immunity			As per EN 55024:2010 and EN 61000-6-2:2005 EN 61131-2:2007
RoHS			conform

### Environmental conditions

Temperature			
Operating ambient temperature min.		°C	0

Operating ambient temperature max.	°C	+ 50
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## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.	°C	0	
Operating ambient temperature max.	°C	50	
Degree of Protection			IP65 (in the front as per EN 60529-1), IP20 (on rear as per EN 60529-1), NEMA12 (as per NEMA 250-2003)

## Technical data ETIM 6.0

PLC's (EG000024) / Panel PC (EC001414)			
Electric engineering, automation, process control engineering / Control / Operate and Observe (HMI) / Panel PC (ecl@ss8.1-27-24-23-01 [BAA721010])			
Supply voltage AC 50 Hz	V	0 - 0	
Supply voltage AC 60 Hz	V	0 - 0	
Supply voltage DC	V	18 - 36	
Voltage type of supply voltage		DC	
Number of HW-interfaces industrial Ethernet		2	
Number of HW-interfaces PROFINET		0	
Number of HW-interfaces RS-232		1	
Number of HW-interfaces RS-422		0	
Number of HW-interfaces RS-485		1	
Number of HW-interfaces serial TTY		0	
Number of HW-interfaces USB		2	
Number of HW-interfaces parallel		0	
Number of HW-interfaces Wireless		0	
Number of HW-interfaces other		1	
Number of HW-interfaces SCSI		0	
Number of HW-interfaces PS2		0	
Supporting protocol for PROFIBUS		No	
Supporting protocol for CAN		No	
Supporting protocol for INTERBUS		No	
Supporting protocol for ASI		No	
Supporting protocol for KNX		No	
Supporting protocol for MODBUS		Yes	
Supporting protocol for Data-Highway		No	
Supporting protocol for DeviceNet		No	
Supporting protocol for SUCONET		No	
Supporting protocol for LON		No	
Supporting protocol for PROFINET IO		No	
Supporting protocol for PROFINET CBA		No	
Supporting protocol for SERCOS		No	
Supporting protocol for Foundation Fieldbus		No	
Supporting protocol for EtherNet/IP		Yes	
Supporting protocol for AS-Interface Safety at Work		No	
Supporting protocol for DeviceNet Safety		No	
Supporting protocol for INTERBUS-Safety		No	
Supporting protocol for PROFI-safe		No	
Supporting protocol for SafetyBUS p		No	
Supporting protocol for other bus systems		Yes	
Radio standard Bluetooth		No	
Radio standard WLAN 802.11		No	
Radio standard GPRS		No	
Radio standard GSM		No	
Radio standard UMTS		No	
IO link master		No	
Type of display		TFT	

Screen diagonal		inch	10.1
Number of pixels, horizontal			1024
Number of pixels, vertical			600
Preinstalled operating system			-
Max. main memory		Mbyte	4000
Integrated keyboard			No
Number of function buttons			0
Number of buttons with LED			0
Number of system buttons			0
With touch screen			Yes
Mouse-cursor control integrated			Yes
Degree of protection (IP), front side			IP65
Operation temperature		°C	0 - 50
With hard disc			No
With CD-ROM drive			No
DVD-drive available			No
With CD-RW drive			No
DVD RW drive available			No
With floppy disc drive			No
With other storage media			No
Customer individual configuration			Yes
Number of free AGP-slots			0
Number of free PCI-slots			0
Number of free ISA-slots			0
Number of free PCMCIA-slots			0
Rail mounting possible			No
Wall mounting/direct mounting			No
Front build in possible			Yes
Rack-assembly possible			No
Mounting type, table foot			No
Mounting type, gallows mounting			No
Suitable for safety functions			No
Width of the front		mm	276
Height of the front		mm	179
Built-in depth		mm	73.5

## Approvals

Product Standards		UL508, cULus; CE
UL File No.		E205091
CSA File No.		C22.2. No. 142-M1987
North America Certification		UL listed, certified by UL for use in Canada
Specially designed for North America		No
Current Limiting Circuit-Breaker		No
Degree of Protection		IEC: IP65, UL/CSA Type: -

## Additional product information (links)

<b>Instruction leaflet XP-503 IL048006ZU</b>	
Instruction leaflet XP-503 IL048006ZU	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL048006ZU2014_12.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL048006ZU2014_12.pdf</a>
<b>MN048014 XP-503 Panel PC manual</b>	
MN048014 XP-503 Panel PC manual - Deutsch	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048014_DE.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048014_DE.pdf</a>
MN048014 XP-503 Panel PC manual - English	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048014_EN.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048014_EN.pdf</a>