



Box-PC, 24 V DC, DVI, 2x Ethernet, 2xRS232, 4xUSB, 1xPCI, 1.8GHz



Powering Business Worldwide™

Part no. **XP-702-D0-BOX-00**
 Article no. **140033**

Delivery program

Product range			Visualisation solutions XP
Product range			XP-702
Function			Industrial PC
Number of colours			64 k Colours
Portrait format			no
Model			Metal enclosure
Operating system			Windows XP or Windows XP Embedded
PLC-licence			no PLC function possible
License certificates for onboard interfaces			Not required
built-in interfaces			2 x Ethernet 100Base-TX/10Base-T 4 x USB host 1 x Video 1 x DVI
Utilization			Setup
Slots			For PCI module: 1 for optional hard disc: 1 For optional CompactFlash cards: 2
Pluggable communication cards (optional)			no
Heat dissipation		W	33.5

Technical data

Display

Number of colours			64 k Colours
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System

Operating system			Windows XP or Windows XP Embedded
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Interfaces, communication

built-in interfaces			2 x Ethernet 100Base-TX/10Base-T 4 x USB host 1 x Video 1 x DVI
PLC-licence			no PLC function possible
Slots			For PCI module: 1 for optional hard disc: 1 For optional CompactFlash cards: 2

Power supply

Heat dissipation		W	33.5
Note on heat dissipation			Heat dissipation with power consumption for 24 V 18 W for basic device + 7 W for PCI expansion card + two times 3 W for USB modules + 2.5 W for hard drive

General

Approvals			
Approvals			cUL (UL508)

Environmental conditions

Temperature			
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	+ 50

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	33.5
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	0

Operating ambient temperature max.	°C	50
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Please enquire
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES		Meets the product standard's requirements.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

PLC's (EG000024) / Industrial PC (EC001413)		
Information, communication and media technology / Computer system for industrial use / Industrial PC / Industrial PC (built-in) (ecl@ss8.1-19-20-01-02 [ACM011009])		
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	20.4 - 28.8
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		2
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		0
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		4
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		1
Supporting protocol for PROFIBUS		Yes
Supporting protocol for CAN		Yes
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		Yes
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 PROFIsafe		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
Suitable for operating system Windows 9x		No
Suitable for operating system Windows 2000		No
Suitable for operating system Windows XP		Yes
Suitable for operating system Windows ME		No
Suitable for operating system Windows CE		No
Suitable for operating system Linux		No
Suitable for operating system Windows Vista		No
Suitable for operating system Windows 2003 Server		No
Suitable for operating system Windows 7		Yes
Suitable for operating system Windows 8		No
Suitable for other operating systems		No
Preinstalled operating system		None
Max. main memory	Mbyte	2048
Degree of protection (IP)		IP20
Operation temperature	°C	0 - 50
Construction type housing		Box
With hard disc		No
Processor type		Pentium M
With graphic card		Yes
With sound card		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		Yes
Customer individual configuration		No
Number of free AGP-slots		0
Number of free PCI-slots		1
Number of free ISA-slots		0
Number of free PCMCIA-slots		0
Number of other free slots		1
Rail mounting possible		No
Wall mounting/direct mounting		Yes
Front build in possible		No
Rack-assembly possible		No
Suitable for safety functions		No
Width	mm	264

Height	mm	194
Depth	mm	58

Approvals

Product Standards		IEC/EN 61131-2; CE marking
North America Certification		Request filed for UL and CSA
Specially designed for North America		No
Current Limiting Circuit-Breaker		No
Degree of Protection		IEC: IP65, UL/CSA Type: -

Additional product information (links)

IL04802003Z XP-702 Enclosed Kit Information	
IL04802003Z XP-702 Enclosed Kit Information	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04802003Z2013_01.pdf
MN04802003Z-EN Operator manual XP-702	
MN04802003Z-DE Betriebsanleitung XP-702 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802003Z_DE.pdf
MN04802003Z-EN Operator manual XP-702 - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802003Z_EN.pdf