



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

Part no. XP-702-C0-BOX-00
Catalog No. 140028

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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Engineering

PLC-licence			no PLC function possible
Operating system			Windows XP or Windows XP Embedded

Interfaces, communication

built-in interfaces			2 x Ethernet 100Base-TX/10Base-T 4 x USB host 1 x Video 1 x DVI
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

Housing material			Metal, anodized
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 5.0

PLC's (EG000024) / Industrial PC (EC001413)			
Information, communication and media technology / Computer system for industrial use / Industrial PC / Industrial PC (built-in) (ecl@ss8-19-20-01-02 [ACM011008])			
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
Radiostandard Bluetooth			No
Radiostandard WLAN 802.11			No
Radiostandard GPRS			No
Radiostandard GSM			No
Radiostandard 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 other operating systems			No
Preinstalled operating system			None
Max. main memory		Mbyte	1024
Degree of protection (IP)			IP20
Operation temperature		°C	0 - 50
Construction type housing			Box
With hard disc			No
Processor type			Celeron 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

Suited 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	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04802003Z2013_01.pdf
Instruction manual XP-702 MN04802003Z-EN	
Bedienungsanleitung XP-702 MN04802003Z-EN - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04802003Z_DE.pdf
Instruction manual XP-702 MN04802003Z-EN - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04802003Z_EN.pdf