DATASHEET - XP-702-C0-10TSI-10

Panel PC, 24 V DC, 8.4z, TFTcolor, 2x Ethernet, 2xRS232, 4xUSB, 1xPCI, 1.8GHz

Powering Business Worldwide

Part no. XP-702-C0-10TSI-10
Catalog No. 140025

Delivery program

Product range		Visualisation solutions XP
Product range		XP-702
Function		Industrial PC
Display - Type		Color display, TFT
Touch-technology		Infra-red touch
Number of colours		64 k Colours
Resolution	Pixel	800 x 600
Portrait format		no
Screen diagonal	Inch	10.4
Model		Metal enclosure and front plate
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
Front type		Standard front with standard membrane Laminated safety glass, non-reflective
Utilization		Flush mounting
Slots		For PCI module: 1 for optional hard disc: 1 For optional CompactFlash cards: 2
Pluggable communication cards (optional)		no
Heat dissipation	W	48.5

Technical data

Display

Display - Type		Color display, TFT
Screen diagonal	Inch	10.4
Resolution	Pixel	800 x 600
Visible screen area	mm	211 x 158
Number of colours		64 k Colours

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
Communication interface		PCI
Slots		For PCI module: 1 for optional hard disc: 1 For optional CompactFlash cards: 2

Power supply

Heat dissipation	W	48.5
Note on heat dissipation		Heat dissipation with power consumption for 24 V 33 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
Front type		Standard front with standard membrane Laminated safety glass, non-reflective

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	48.5
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) / Panel PC (EC001414)			
Electric engineering, automation, process control engineering / Control / Operate and Observe (HMI) / Panel PC (ecl@ss8-27-24-23-01 [BAA721009])			
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
Number of HW-interfaces SCSI		0
Number of HW-interfaces PS2		0
Supporting protocol for PROFIBUS		Yes
Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		Yes
Supporting protocol for MODBUS		Yes
Supporting protocol for Data-Highway		Yes
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
Type of display		TFT
Screen diagonal	inch	8.4
Number of pixels, horizontal		800
Number of pixels, vertical		600
Preinstalled operating system		None
Max. main memory	Mbyte	1024
Integrated keyboard		No
Number of function buttons		0
Buttons with LED		No
With touch screen		Yes
Mouse-cursor control integrated		No
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		Yes
Customer individual configuration		Yes

Number of free AGP-slots		0
Number of free PCI-slots		1
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		Yes
Suited for safety functions		No
Width of the front	mm	345
Height of the front	mm	260
Built-in depth	mm	90

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