DATASHEET - XP-504-15-A10-A01-2B

Panel PC, Capacitive multitouch (PCT), 15.6", 2 x Ethernet, 4 x USB 3.0, 1 x RS232, 0 x RS485, Windows 10

Part no. XP-504-15-A10-A01-2B
199998

Product name	Eaton XP Panel PC
Part no.	XP-504-15-A10-A01-2B
EAN	7640130099876
Product Length/Depth	412.1 millimetre
Product height	89 millimetre
Product width	261.6 millimetre
Product weight	4.5 kilogram
Certifications	RoHS UKCA UL 61010-1 UL report applies to both US and Canada CE Certified by UL for use in Canada UL File No.: E205091 UL
Product Tradename	XP
Product Type	Panel PC
Product Sub Type	None
Enclosure material	Aluminum (die-cast)
Features	Customer individual configuration Fanless CPU and system cooling, natural convection-based passive cooling
Fitted with:	Touch screen Other storage media 1 x RS232 (built-in interface) 1 x RS485 (built-in interface) 2 x Ethernet 1000/100/10 Mbps (built-in interface)
Degree of protection	NEMA 12 IP65
Degree of protection (front side)	IP65
Explosion safety category for dust	ATEX dust-ex-protection, II 3D Ex tc IIIC T70°C U
Interfaces	Ethernet (10/100/1000 Mbps) 4 x USB 3.0 1 x DP 1 x HDMI 1 x RS232/RS422/485 RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC)
Interference immunity	According to EN 55024:2010 According to EN 61131-2:2007 According to EN 61000-6-2:2005
Model	Die-cast aluminum enclosure and glass front in aluminum frame
Mounting method	Front build in possible
Number of slots	1 (for SD-Card)
Product category	Panel PC
Protocol	EtherNet/IP MODBUS Other bus systems
RoHs conformity	Yes
Software	Galileo or 3rd party
Type	Industrial PC
Used with	XP500
Voltage type	DC
Ambient operating temperature - min	0 °C
Ambient operating temperature - max	45 °C

Ambient storage temperature - min	-20 °C
Ambient storage temperature - max	60 °C
Environmental conditions	Condensation: Non-condensing
Operating temperature - min	0 °C
Operating temperature - max	45 °C
Rated operational voltage	24 V DC (power-supply - safety extra low voltage)
Supply voltage at AC, 50 Hz - min	0 V AC
Supply voltage at AC, 50 Hz - max	0 V AC
Supply voltage at DC - min	18 V DC
Supply voltage at DC - max	36 V DC
Display contrast ratio	500:1
Display lighting	LED Dimmable via software
Display size	344.23 x 193.54 mm 16:9
Display type	TFT Tempered glass with anti-reflective coating
Display viewing angle	85°/85°/80°/80° (left/right/up/down)
Lifespan	50,000 h (Service life of back-lighting)
Luminance intensity	400 cd/m^2
Number of colors of the display	16777216
Pixel resolution	1366 x 768 WXGA
Screen size (diagonal)	15.6 in
Touch technology	Capacitive multitouch (PCT) Multi-touch touch panel touch sensor
Backup time	5 years, typ. (time at zero voltage)
Operating system	Windows 10
Equipment heat dissipation, current-dependent Pvid	43.2 W
Static heat dissipation, non-current-dependent Pvs	36 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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 to enclosures without lifting aids.
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	Is the panel builder's responsibility.
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.
10.9.2 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 8.0

Programmable logic controllers PLC (EG000024) / Industrial PC (EC001413)

Information, communication and media technology / Computer system for industrial use / Industrial PC / Industrial PC (built-in) (ecl@ss10.0.1-19-20-01-02 [ACM011012])

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 interfaces PROFINET			0
Number of HW-interfaces RS-232			1
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			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 PROFIsafe			No
Supporting protocol for SafetyBUS p			No
Supporting protocol for other bus systems			Yes
Radio standard Bluetooth			No
Radio standard Wi-Fi 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			No
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			No
Suitable for operating system Windows 8			No
Suitable for other operating system			No

Preinstalled operating system			Windows 10
Max. main memory		MB	8
Degree of protection (IP)			IP65
Degree of protection (NEMA)			12
Operating temperature		°C	0 - 45
Construction type housing			Other
With hard disc			No
Processor type			Intel Atom
Processor clock rate		GHz	2
With graphic card			No
With sound card			No
With optical drive			No
With floppy disc drive			No
Number of free AGP-slots			0
Number of free PCI-slots			0
With other storage media			Yes
Number of free ISA-slots			0
Number of free PCMCIA-slots			0
Number of other free slots			0
Rail mounting possible			No
Wall mounting/direct mounting			No
Front built-in possible			Yes
Rack-assembly possible			No
Number of storage media bays			1
Suitable for safety functions			No
Width		mm	261.6
Height		mm	89
Depth		mm	412.1
Memory capacity hard disc		TB	0.064

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