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## Eaton 199699

Eaton XP Panel PC, Capacitive multitouch (PCT), 15.6"8, 2 x Ethernet, 2 x USB 3.0, 1 x RS232, 1 x RS485, Windows 10, VISUAL DESIGNER, Galileo Runtime License

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<b>PRODUCT NAME</b>	Eaton XP Panel PC
<b>CATALOG NUMBER</b>	199699
<b>PRODUCT LENGTH/DEPTH</b>	404 mm
<b>PRODUCT HEIGHT</b>	83 mm
<b>PRODUCT WIDTH</b>	255 mm
<b>PRODUCT WEIGHT</b>	4.95 kg
<b>CERTIFICATIONS</b>	UL Listed cULus CSA File No.: C22.2. No. 142-M1987 UL File No.: E205091 EMC according to 2014/30/EU CUL508 UL 508 Certified by UL for use in Canada DNV GL CE ATEX



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<b>TYPE</b>	Industrial PC
<b>FEATURES</b>	<p>Powerful graphic processor  4 GByte DDR3-RAM  2 x USB host 3.0  1 x DVI-I  1.65 GHz dual-core CPU  1 x RS485  Min. 32 GByte SSD  min. 4 GByte of CFast removable memory  1 x RS232  Fanless CPU and system cooling, natural convection-based passive cooling  2 x Ethernet interface  10/100/1000 Mbps  Customer individual configuration</p>
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Please enquire
<b>10.2.5 LIFTING</b>	Does not apply to

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	enclosures without lifting aids.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Meets the product standard's requirements.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply to plastic enclosures.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	2 x USB host 3.0 (built-in interface) 1 x RS232 (built-in interface) 1 x DVI-I (built-in interfaces) 1 x RS485 (built-in interface) Touch screen 2 x Ethernet 1000/100/10 Mbps (built-in interface)
<b>ENCLOSURE MATERIAL</b>	Aluminum (die-cast)
<b>MEMORY CAPACITY</b>	4,000 MB
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	50 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	0 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	60 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-20 °C

<b>BUILT-IN DEPTH</b>	75.5 mm
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	36 W
<b>FRONT HEIGHT</b>	255 mm
<b>MAIN MEMORY - MAX</b>	4000 MB
<b>NUMBER OF BUTTONS WITH LED</b>	0
<b>NUMBER OF FREE SLOTS (AGP)</b>	0
<b>NUMBER OF FREE SLOTS (ISA)</b>	0
<b>NUMBER OF FREE SLOTS (OTHER)</b>	0
<b>NUMBER OF FREE SLOTS (PCI)</b>	0
<b>NUMBER OF FREE SLOTS (PCMCIA)</b>	0
<b>NUMBER OF FUNCTION BUTTONS</b>	0
<b>EXPLOSION SAFETY CATEGORY FOR DUST</b>	ATEX dust-ex-protection, II 3D Ex tc IIIC T70°C U
<b>DISPLAY SIZE</b>	16:9 344.23 x 193.54 mm
<b>ENVIRONMENTAL CONDITIONS</b>	Condensation: Non-condensing
<b>BACKUP TIME</b>	5 years, typ. (time at zero voltage)
<b>BATTERY RUNTIME</b>	Back-up of real-time clock: CR 2032 (220 mA/h, 3 V), replaceable
<b>VOLTAGE TYPE</b>	DC
<b>OPERATING SYSTEM</b>	Windows 10
<b>CURRENT CONSUMPTION</b>	1.5 A max.
<b>DEGREE OF PROTECTION</b>	IP20, rear (according to EN 60529-1) NEMA 12
<b>SUPPLY VOLTAGE</b>	18-36 V DC, Power supply, permissible voltage
<b>SOFTWARE</b>	VISUAL DESIGNER Galileo Open Runtime License
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP65
<b>EMITTED INTERFERENCE</b>	Class A (according to EN 55022:2010 and EN 61000-6-4:2007)
<b>MOUNTING METHOD</b>	Flush mounting - Inclination from vertical: $\alpha$

	<p><math>\leq \pm 10^\circ</math> (if using natural convection)</p> <p>Flush mounting - Mounting plate: min. 1.5 mm (0.06"), max. 4 mm</p> <p>Flush mounting Front build in possible Flush mounting - Clearance: Width x Height <math>\geq 50</math> mm (1.97"), Depth <math>\geq 20</math> mm (0.79")</p>
<b>DISPLAY CONTRAST RATIO</b>	500:1
<b>NUMBER OF SLOTS</b>	1 (for CFast memory cards)
<b>DISPLAY LIGHTING</b>	LED
<b>INTERFERENCE IMMUNITY</b>	<p>According to EN 61000-6-2:2005</p> <p>According to EN 61131-2:2007</p> <p>According to EN 55024:2010</p>
<b>DISPLAY TYPE</b>	TFT
<b>DISPLAY VIEWING ANGLE</b>	85°/85°/80°/80° (left/right/up/down)
<b>RELATIVE HUMIDITY</b>	10 - 90 % (non-condensing)
<b>EXTERNAL MEMORY</b>	Min. 4 GB of CFast removable memory
<b>LIFESPAN</b>	50,000 h (Service life of back-lighting)
<b>FUNCTIONS</b>	Mouse-cursor control integrated
<b>INTERFACES</b>	<p>2 x USB 3.0 Host</p> <p>RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC)</p> <p>RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC)</p> <p>Ethernet (10/100/1000 Mbps)</p>
<b>INTERNAL MEMORY</b>	4 GByte of DDR3 RAM, min. 32 GByte SSD
<b>LUMINANCE INTENSITY</b>	300 cd/m <sup>2</sup>
<b>MODEL</b>	Die-cast aluminum enclosure and glass front in aluminum frame
<b>NUMBER OF COLORS OF THE DISPLAY</b>	16777216
<b>NUMBER OF HW-INTERFACES (INDUSTRIAL ETHERNET)</b>	2

<b>NUMBER OF HW-INTERFACES (OTHER)</b>	1
<b>NUMBER OF HW-INTERFACES (PARALLEL)</b>	0
<b>NUMBER OF HW-INTERFACES (PS2)</b>	0
<b>NUMBER OF HW-INTERFACES (RS-232)</b>	1
<b>NUMBER OF HW-INTERFACES (RS-422)</b>	0
<b>NUMBER OF HW-INTERFACES (RS-485)</b>	1
<b>NUMBER OF HW-INTERFACES (SCSI)</b>	0
<b>NUMBER OF HW-INTERFACES (SERIAL TTY)</b>	0
<b>NUMBER OF HW-INTERFACES (USB)</b>	2
<b>NUMBER OF HW-INTERFACES (WIRELESS)</b>	0
<b>NUMBER OF INTERFACES (PROFINET)</b>	0
<b>NUMBER OF PIXELS (HORIZONTAL)</b>	1366
<b>NUMBER OF PIXELS (VERTICAL)</b>	768
<b>NUMBER OF SYSTEM BUTTONS</b>	0
<b>OPERATING TEMPERATURE - MAX</b>	50 °C
<b>OPERATING TEMPERATURE - MIN</b>	0 °C
<b>PIXEL RESOLUTION</b>	WXGA 1366 x 768
<b>PROCESSOR</b>	X86, DualCore 1.65Ghz
<b>PROCESSOR TYPE</b>	Other
<b>SCREEN SIZE (DIAGONAL)</b>	15.6 in
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	36 W
<b>SUPPLY VOLTAGE AT AC, 50 HZ - MAX</b>	0 VAC
<b>SUPPLY VOLTAGE AT AC, 50 HZ - MIN</b>	0 VAC
<b>SUPPLY VOLTAGE AT AC, 60 HZ - MAX</b>	0 VAC
<b>SUPPLY VOLTAGE AT AC, 60 HZ - MIN</b>	0 VAC

