HEXAGON HMI SERIES

10.1" Panel PC suitable for ATEX Zone 1/21

Logic automation and engineering

HEXAGON 10.1

Hexagon series PCL-X-10.1 are industrial Panel PCs with 10.1'' display suitable for use in ATEX Zone 1/21.

They are equipped with a capacitive touch screen for user interaction, a capacitive button for equipment power on and a terminal boards for Ex e/Ex i connections and contains last generation Intel® Processors for very low power consumption and very efficient heat dissipation.

PCL-X-10.1 may optionally contain, in "Ex q" enclosure, Bluetooth or Wi-fi radiofrequency modules, whose limits of radiated power and frequency comply with requirements of EN 60079-0.

TECHNICAL CHARACTERISTICS

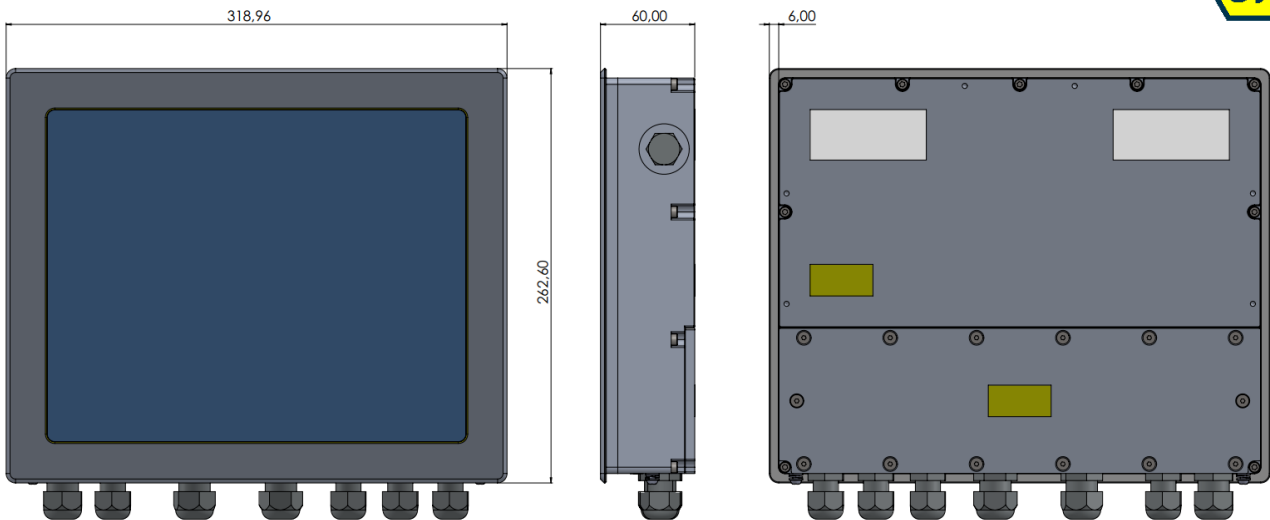|	
Installation Area	ATEX Zone 1/21
Display	10.1'' optically bonded to special cover glass
Touch-screen	Industrial grade capacitive touch sensor, capacitive power-on button with LED
Processor	Base: Intel Atom® N3350, RAM: 4 Gb, Hard Disk: 64 Gb Full: Intel Atom® x6425E, RAM: 8 Gb, Hard Disk: 256 Gb
OS	Windows 10® IoT Enterprise LTSC 2019
Connections	Standard: 1x LAN Gb Ex e, 1 x USB Ex e, 1x RS-485 Ex e Available on request: 2 x LAN 10/100Mb Ex e, 2 x USB Ex e, Bluetooth/WiFi module
Integrated Ex i Active Barriers	5 x D.I. channels for non-Ex push buttons (up to SIL3 in dual channel) 2 x D.O. channels for non-Ex (5V, 15mA) LEDs (Simple Apparatus)
ATEX marking	Ex II 2(1) G Ex eb q [ia Ga] IIC T5...T4 Gb Ex II 2(1) D Ex tb [ia Da] IIIC T95°C...T130°C Db IP66
IECEx marking	Ex eb q [ia Ga] IIC T5...T4 Gb Ex tb [ia Da] IIIC T95°C...T130°C Db IP66
Mechanical protection	Rugged design, IP66 according to EN 60079-0, both front and back Suitable for installation without enclosure, inside non-Ex certified enclosures or inside Ex eb / Ex tb certified enclosures
Materials	Anodized aluminum, glass (pharma grade stainless steel frame on request)
Supply Voltage	24Vdc ±10%

Special executions and customizations available on request.

MECHANICAL DRAWING

318,96

60,00

6,00

262,60

Panel mounting on Ex eb / Ex tb enclosure

Use of mounting kit with reinforcement back frame allows installation on Ex eb/Ex tb certified cabinets. Installation can be done as well inside a standard non-certified cabinet or free standing.

Nominal window cut-out: 308 x 251.50 (W x H) mm

Accessories available on request

PCL-X-10.1 can be supplied mounted inside a Stainless Steel AISI304 custom cabinet with integrated handles.

Arm mounting or foot pedestal thanks to symmetric design. Supports RITTAL CP40 stainless steel.

Logic automation and engineering

27020 Travacò Siccomario
Via del Tovo 5/3 Pavia Italy

Tel. +39 0382 482657
Fax +39 0382 1850248

commerciale@logic-pavia.it
www.logic-pavia.it