

HEXAGON HMI SERIES

10.1" Panel PC suitable for ATEX Zone 1/21



HEXAGON^{10.1}

The Hexagon PCL-X-10.1 series Panel PCs, suitable for use in ATEX Zone 1/21, are equipped with a 10.1-inch display.

The Panel PC features an operator interface display with a capacitive touch screen and a capacitive power button, complete with barriers for Ex and e/Ex i-rated buttons and indicator lights.

Equipped with a latest-generation Intel® processor offering low power consumption and high thermal dissipation efficiency.

Option to integrate Bluetooth or Wi-Fi radio frequency communication modules.



TECHNICAL FEATURES

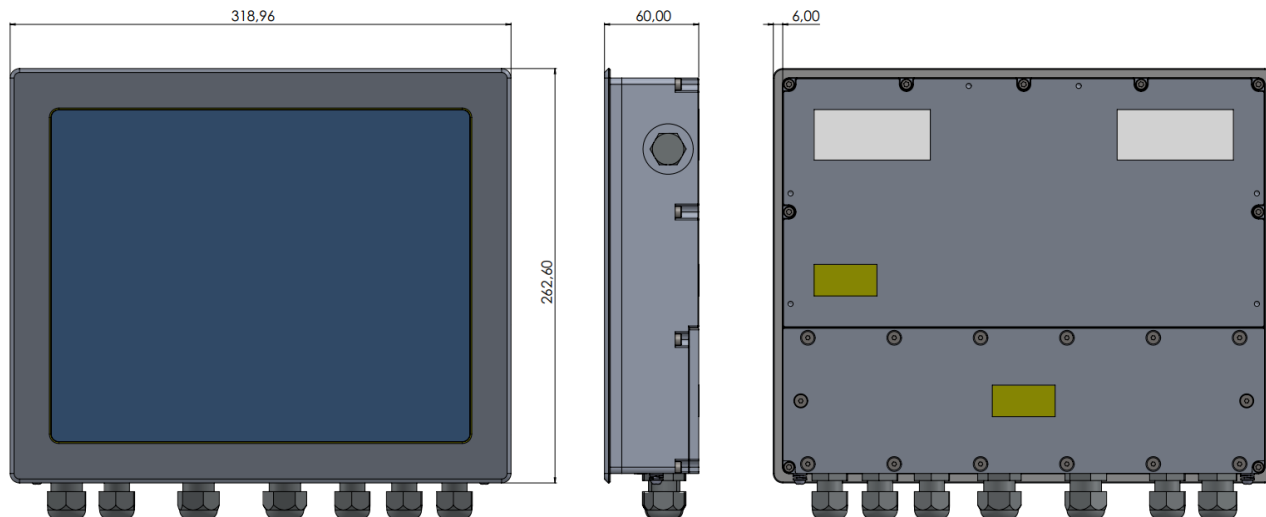
Installation Area	Ex Zona 1/21
Display	10.1" optically bonded to special cover glass
Touch-screen	Industrial grade capacitive touch sensor, capacitive power-on button with LED
Processor	Basic version: Intel Atom® x6211E, RAM: 4 Gb, Hard Disk: 64 Gb Full version: Intel Atom® x6425E, RAM: 8 Gb, SSD: 256 Gb
OS	Windows 10® IoT Enterprise LTSC 2019
Connections	Standard: 2x LAN 10/100 Mbps Ex e, 1x 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
Integrative 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 desing, IP66 according to EN 60079-0, both front and back Suitable for installation without enclosure, inside non-Ex certified enclosures or inside Ex be / Ex tb enclosures
Materials	Anodized aluminium, glass (pharma grade stainless steel frame on request)
Weight and Dimensions	8.2 kg, 320 x 263.50 x 50 mm (W x H x D)
Supply Voltage	24Vdc ±10%

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MECHANICAL DRAWING



Panel mounting on Ex eb / Ex tb enclosure

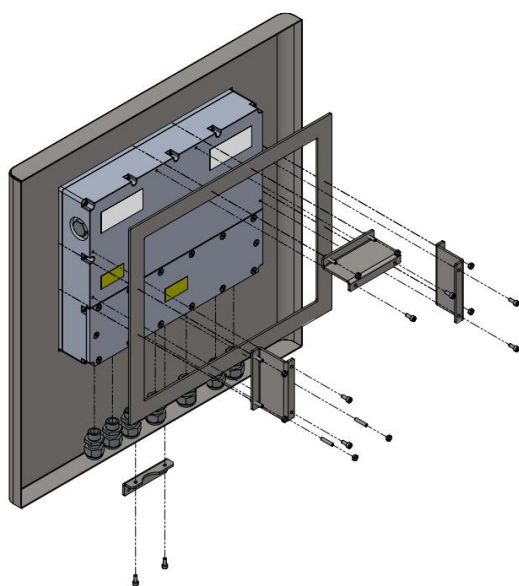
Use of mounting kit with reinforcement back frame allows installation on Ex eb / Ex tb certified cabinets. Installation can be done as well inside standard non-certified cabinet free standing.

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

Accessories available on request

PCL-X-AMC: AISI 304 stainless steel cabinet with integrated handles.

Mounting on a suspended arm or floor stand with stainless steel or nickel-plated steel swivel joints



Special executions and customizations available on request



automation and engineering

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