

Panel mount operator workstation

VisuNet PC8219



- 19 inch TFT display w/ optional touch screen
- Class I/Div 2, Class II/Div 2, ATEX/IECEX Zone 2, and ATEX Zone 22 approved
- Shock and vibration resistant
- Extended temperature range for indoor/outdoor use
- Intel® Atom™ E3826 1.46 GHz
- 120 GB SSD
- Up to 8 GB RAM

Operator workstation designed for continuous use in harsh environments



Function

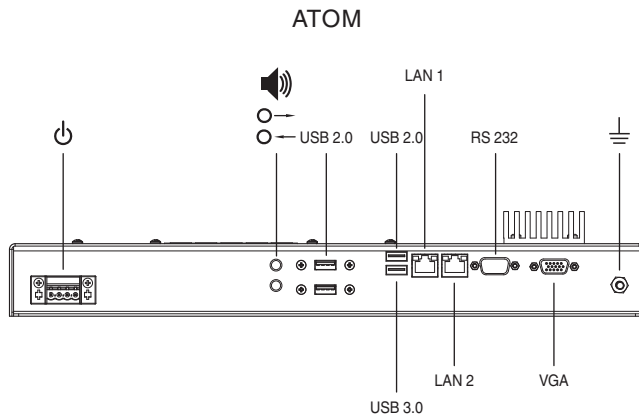
The PC8219 panel mount operator workstation is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications.

The PC8219 series features a 1.46 GHz Intel Atom™ with available 120 GB SSD storage.

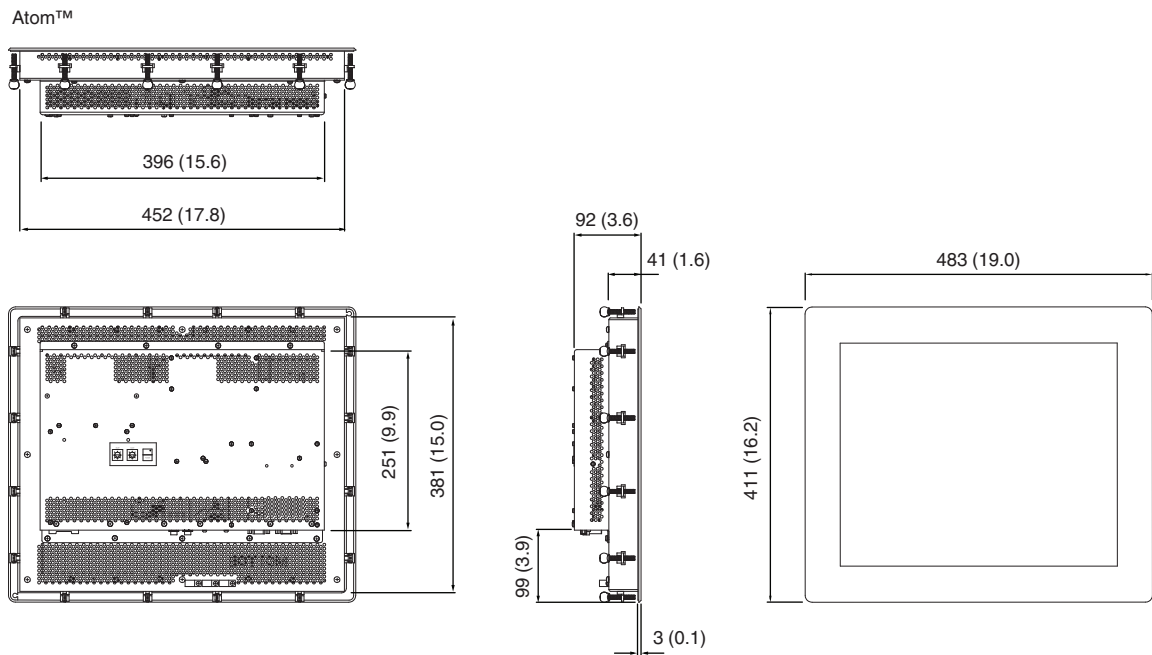
This 19" PC operator workstation features an optional touchscreen.

The front bezel is rated Type 4/4X, IP66.

Connection



Dimensions



Technical Data

Hardware	
Processor	Intel® Atom™ E3826 1.46 GHz
RAM	up to 8 GB
Mass storage	120 GB SSD
Supply	
Connection	Terminals
Power consumption	20 ... 30 VDC , 4.0 A max
Indicators/operating means	

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Technical Data

Display		
Screen diagonal		19 inch (48.3 cm)
Response time		Standard: 12 ms High-bright: 5 ms
Resolution		1280 x 1024
Color depth		24 bit (16.7 M) color
Contrast		1000:1
Brightness		Standard: 450 cd/m ² (nits) High-bright: 1000 cd/m ² (nits)
Reading angle		160° in all directions
Life span		back lamp life: 50,000 hrs typical half life
Input devices		
Touchscreen		5-wire resistive 5-wire hardened resistive
Interface		
Interface type		2x GB ethernet, 4x USB, audio, RS232
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013
Software		
Operating system		Windows® 10 IoT Enterprise 2016 LTSC (x 64)
Ambient conditions		
Operating temperature		-20 ... 50 °C (-4 ... 122 °F)
Storage temperature		-20 ... 60 °C (-4 ... 140 °F)
Relative humidity		0 ... 90% (noncondensing)
Shock resistance		30g, 11 ms, all axis
Vibration resistance		5 ... 100 Hz 1G, 12 m/s ²
Mechanical specifications		
Degree of protection		Type 4X (stainless steel) Type 4 (painted steel) IP66
Material		Bezel: black painted steel or 316L satinless steel
Installation		panel mount panel cutout: 455 x 386 mm (17.9 x 15.2 inch)
Mass		11.3 kg (25 lb)
Dimensions		Intel® Atom™: 483 x 411 x 92 mm (19 x 16.2 x 3.6 inch)
Data for application in connection with hazardous areas		
Certificate		DEMKO 12 ATEX 1107369X Ⓜ II 3G Ex nA nC IIC T4 Gc Ⓜ II 3G Ex nA IIC T4 Gc
Certificate		PF15CERTB098X Ⓜ II 3D Ex tc IIIC T85°C Dc ("B1" version only)
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2012/A11:2013 EN 60079-15:2010 EN 60079-31:2014 ("B1" version)
IECEx approval		IECEx UL 12.0028X
International approvals		
UL approval		UL Listing (E190294) for Class I Div 2, Groups A, B, C, D Class II Div 2, Groups F, G UL Listing (E185778) for Ordinary Locations

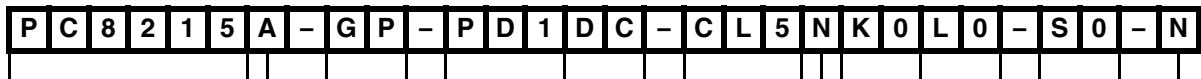
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Type Code



Options
N No option

Special accessories
S0 No special accessories

Keyboard layout
L0 No keyboard, no layout

Keyboard/mouse version
K0 No keyboard, no mouse

Keyboard housing
N No keyboard, no mouse

Housing version
CL5 Panel mount, stainless steel (316L/1.4404) bezel
CP5 Panel mount, black painted steel bezel

Power supply
DC 24 V DC

Board specifications
PI2 Atom E3826, 1.46 GHz, 8 GB RAM, 120 GB SSD, 2x LAN, 4x USB, Windows 10 IoT Enterprise 2016 LTSB (64-bit)

Protection
GP Industrial, Non-EX
D2 Class I/Div. 2 A, B, C, D and Class II/Div. 2 F, G
V3 Class I/Div. 2 A, B, C, D; Class II/Div. 2 F, G; ATEX Zone 2; IECEx Zone 2

Screen type
A Antiglare glass front, non-touch
R Touch screen, resistive, 5-wire, hardened glass
T Touch screen, resistive, 5-wire
U High-bright display, with touch screen, 5-wire resistive
F High-bright display, non-touch, antiglare
K High-bright display, with touch screen, 5-wire hardened resistive

PC8215 PC, 15.0" (38.1 cm), XGA (1024 x 768 pixels)
PC8219 PC, 19.0" (48.26 cm), SXGA (1280 x 1024 pixels)
PC8221 PC, 21.5" (54.6 cm), Full HD (1920 x 1080 pixels)

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