

# Panel mount operator workstation

## VisuNet PC8215



- 15 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

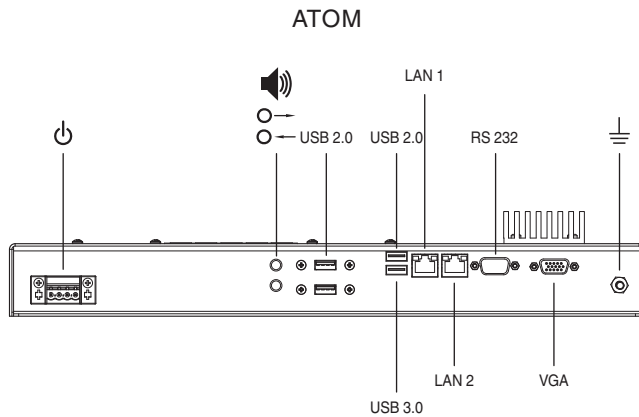
The PC8215 panel mount operator workstation is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications.

The PC8215 series features a 1.46 GHz Intel Atom™ with available 120 GB SSD storage.

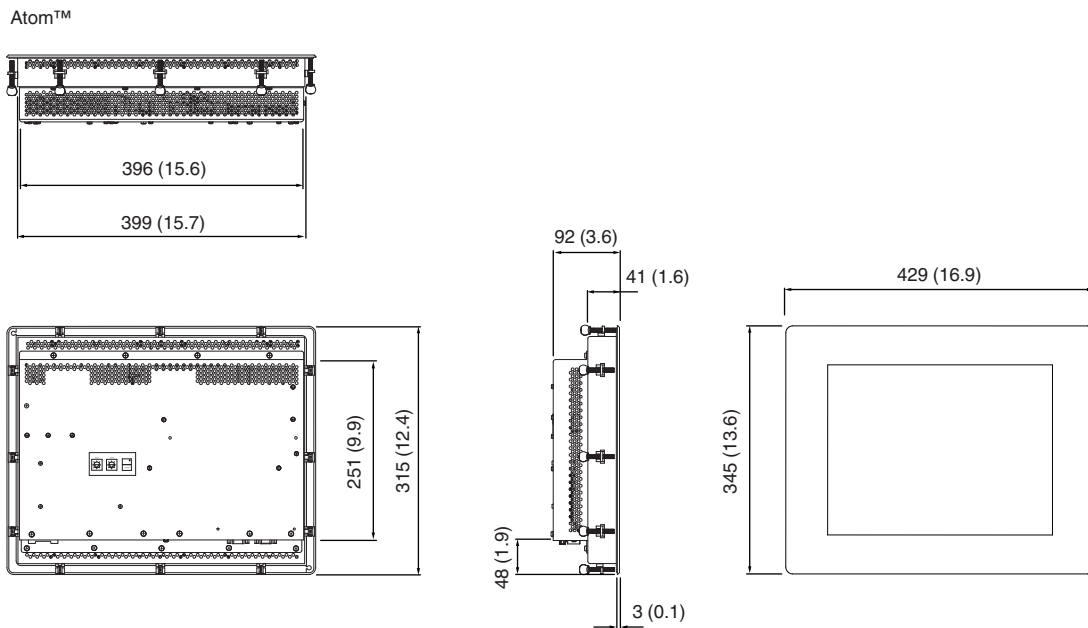
This 15" PC operator workstation features touchscreen and transfective options.

The front bezel is rated Type 4/4X.

### Connection



**Dimensions**



**Technical Data**

<b>Hardware</b>	
Processor	Intel® Atom™ E3826 1.46 GHz
RAM	up to 8 GB
Mass storage	120 GB SSD
<b>Supply</b>	
Connection	Terminals
Power consumption	20 ... 30 VDC , 2.5 A max
<b>Indicators/operating means</b>	

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

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## Technical Data

<b>Display</b>	
Screen diagonal	15 inch (38.1 cm)
Response time	Standard: 30 ms High-bright : 25 ms
Resolution	1024 x 768
Color depth	24 bit (16.7 M) color
Contrast	Standard: 800:1 High-bright: 700:1
Brightness	Standard: 350 cd/m <sup>2</sup> (nits) High-bright: 1200 cd/m <sup>2</sup> (nits)
Reading angle	160° in all directions
Life span	back lamp life: 50,000 hrs typical half life
<b>Input devices</b>	
Touchscreen	5-wire resistive 5-wire hardened resistive
<b>Interface</b>	
Interface type	2x GB ethernet, 4x USB, audio, RS232
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
<b>Software</b>	
Operating system	Windows® 10 IoT Enterprise 2016 LTSC (x 64)
<b>Ambient conditions</b>	
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 <sup>2</sup>
<b>Mechanical specifications</b>	
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: 404 x 320 mm (15.9 x 12.6 inch)
Mass	8.6 kg (19 lb)
Dimensions	Intel® Atom™: 429 x 345 x 92 mm (16.9 x 13.6 x 3.6 inch)
<b>Data for application in connection with hazardous areas</b>	
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)
<b>Directive conformity</b>	
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
<b>International approvals</b>	
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

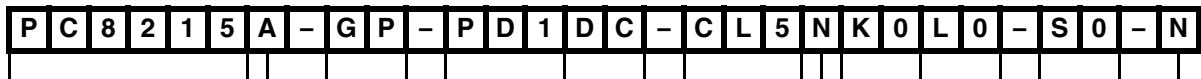
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**PEPPERL+FUCHS**

**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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