



PC Workstation

PC919 Series

- 19 inch TFT display w/ optional touch screen
- Seams continuously welded and ground smooth (Type 4/4X, IP66)
- Various keyboard/mouse options
- 100 mm VESA mount
- Class I, Div. 2 / ATEX Zone 2 approved
- Intel® Atom™ E3826 1.46 GHz

19 inch operator workstation



Function

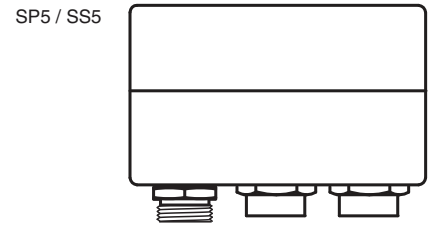
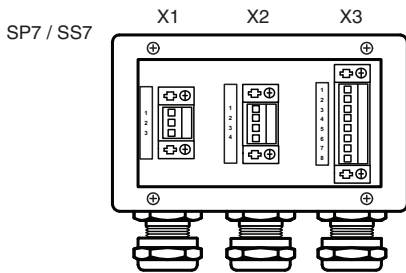
The PC919 operator workstation is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications.

The PC919 series features an Intel Atom E3826 1.46 GHz processor with available 120 GB SSD storage.

The compact housing design allows for easy mounting using the industry standard 100 mm VESA mount.

This 19" PC operator workstation features an optional touchscreen and keyboard with various mouse options.

Connection



X1 Terminals	AC	DC
1.1	L	+
1.2	N	-
1.3	GND	GND

X2 Terminals	Description
2.1	VCC RD
2.2	D+ GN
2.3	D- WH
2.4	GND BK

X3 Terminals	Description
3.1	BI_DA + WH/GN
3.2	BI_DA - GN
3.3	BI_DB + WH/OR
3.4	BI_DC + BU
3.5	BI_DC - WH/BU
3.6	BI_DB - OR
3.7	BI_DD + WH/BN
3.8	BI_DD - BN



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

Pepperl+Fuchs Group
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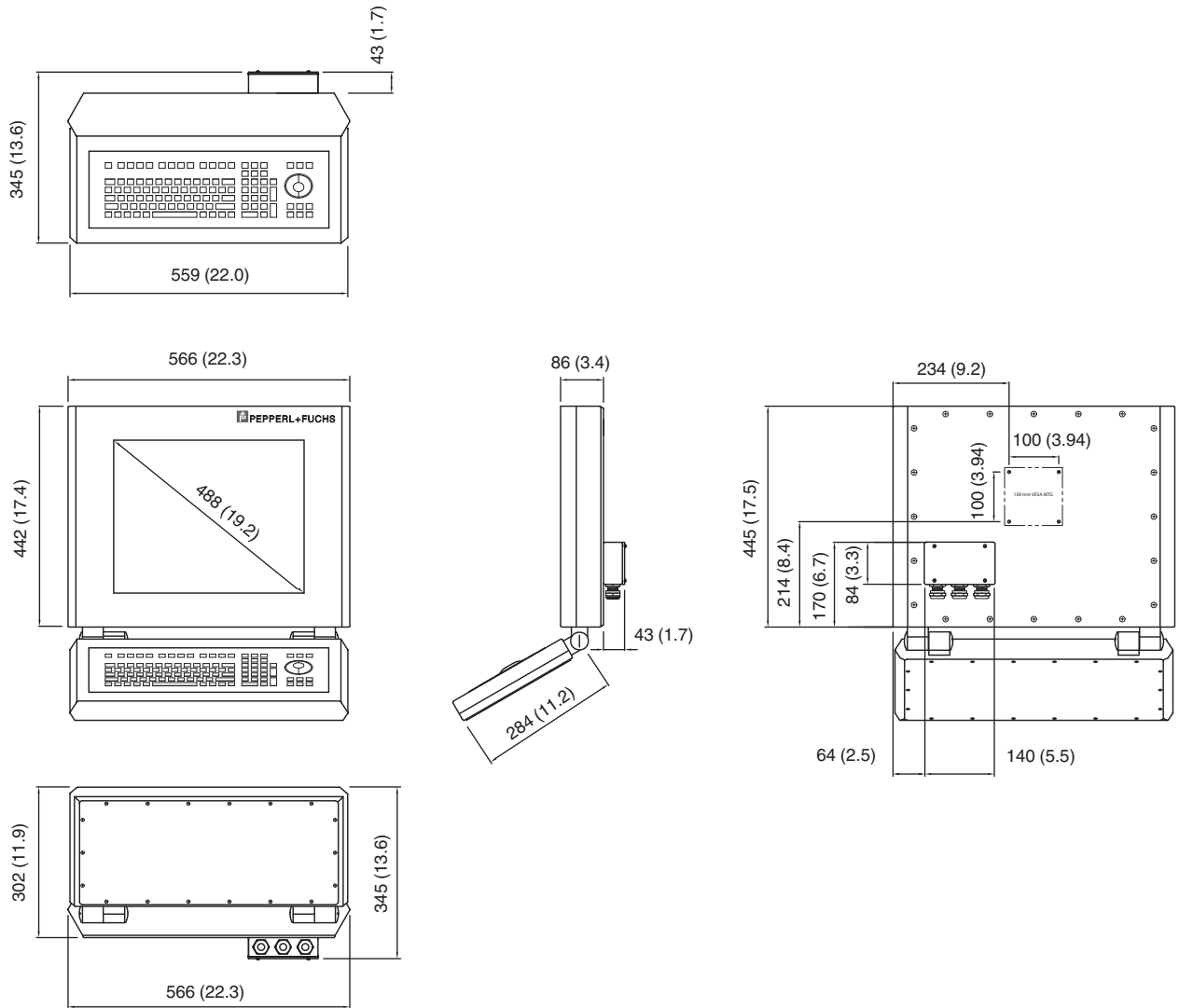
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PEPPERL+FUCHS

Dimensions



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Technical Data

Hardware

Processor	Intel® Atom™ E3826 1.46 GHz
RAM	up to 8 GB
Mass storage	120 GB SSD

Supply

Power consumption	4.0 A max, 100 ... 240 VAC, 50 ... 60 Hz, or 20-30 VDC
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Indicators/operating means


Display

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

Technical Data

Screen diagonal	19 inch (483 mm)
Response time	12 ms
Resolution	1280 x 1024
Color depth	24 bit (16.7 M) color
Contrast	1000:1
Brightness	450 cd/m ² (nit)
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
Keyboard	touchpad , optical trackball (50 mm) , joystick connections : USB
Interface	
Interface type	1 x RJ-45 (GB ethernet) , 1 x USB 2.0 , 1 x power
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
Software	
Operating system	Windows® 10 IoT Enterprise 2016 LTSB (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	Main enclosure: painted black steel or 316L stainless steel Main enclosure (rear cover): 6062 anodized aluminum, marine grade
Installation	100 mm (3.9 inch) VESA mount
Mass	Main unit: 13.6 kg (30 lb) without keyboard; 19.1 kg (42 lb) with keyboard
Dimensions	Main enclosure: 566 x 442 x 86 mm (22.3 x 17.4 x 3.4 inch), junction box adds 43 mm (1.7 inch) to depth Keyboard enclosure: 559 x 254 x 51 mm (22.0 x 10.0 x 2.0 inch)
Data for application in connection with hazardous areas	
EU-type examination certificate	
Marking	Ⓜ II 3G Ex ic nA IIC T4 Gc
International approvals	
ETL approval	Class I, Div. 2 Groups A, B, C, D; T4

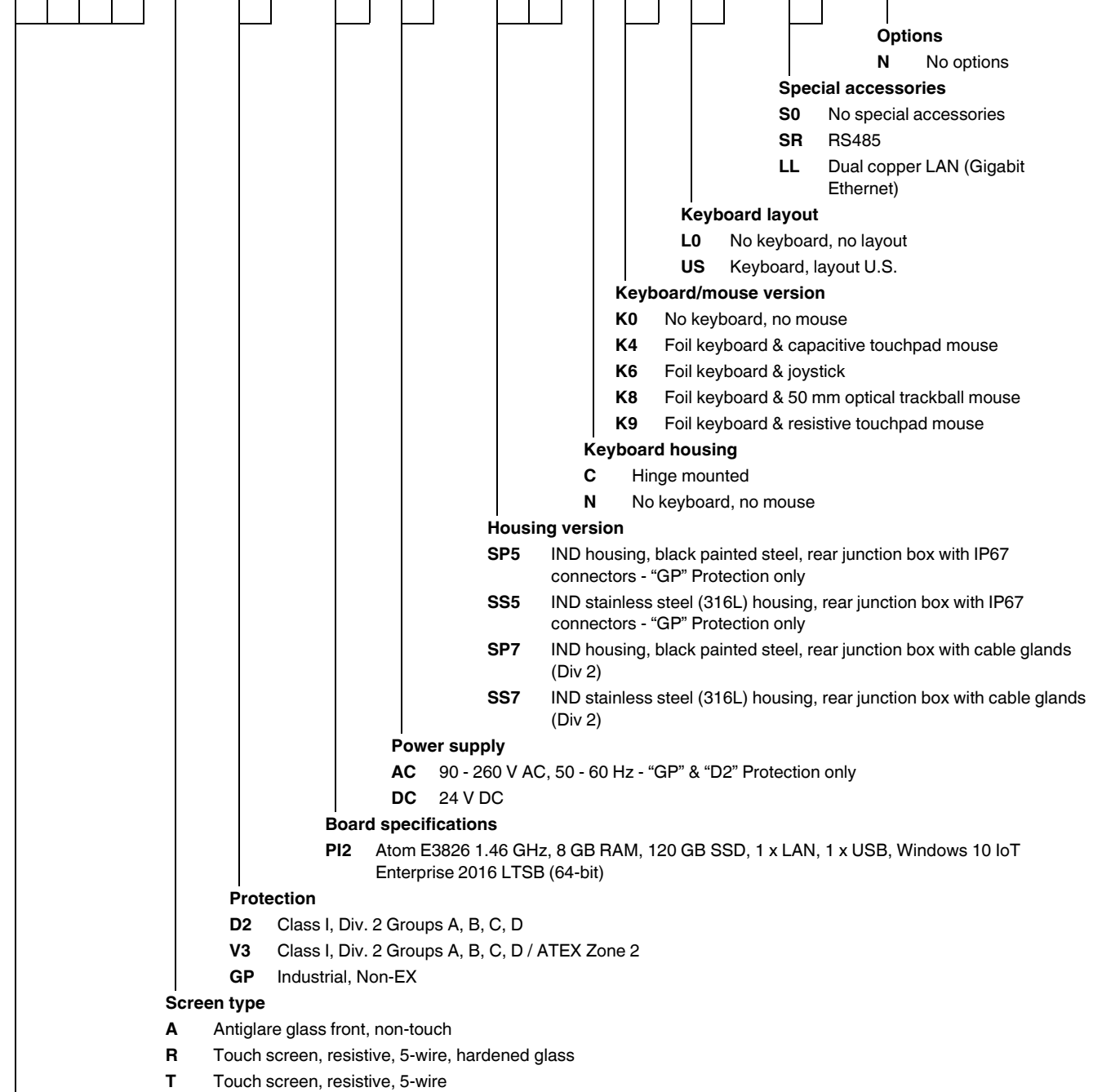
Accessories

	VESA CABLE FEEDTHROUGH	Slimline adapter plate
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Type Code

P C 9 1 9 A - D 2 - P D 1 A C - S P 5 C K 0 L 0 - S 0 - N



Options

N No options

Special accessories

S0 No special accessories

SR RS485

LL Dual copper LAN (Gigabit Ethernet)

Keyboard layout

L0 No keyboard, no layout

US Keyboard, layout U.S.

Keyboard/mouse version

K0 No keyboard, no mouse

K4 Foil keyboard & capacitive touchpad mouse

K6 Foil keyboard & joystick

K8 Foil keyboard & 50 mm optical trackball mouse

K9 Foil keyboard & resistive touchpad mouse

Keyboard housing

C Hinge mounted

N No keyboard, no mouse

Housing version

SP5 IND housing, black painted steel, rear junction box with IP67 connectors - "GP" Protection only

SS5 IND stainless steel (316L) housing, rear junction box with IP67 connectors - "GP" Protection only

SP7 IND housing, black painted steel, rear junction box with cable glands (Div 2)

SS7 IND stainless steel (316L) housing, rear junction box with cable glands (Div 2)

Power supply

AC 90 - 260 V AC, 50 - 60 Hz - "GP" & "D2" Protection only

DC 24 V DC

Board specifications

PI2 Atom E3826 1.46 GHz, 8 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 10 IoT Enterprise 2016 LTSC (64-bit)

Protection

D2 Class I, Div. 2 Groups A, B, C, D

V3 Class I, Div. 2 Groups A, B, C, D / ATEX Zone 2

GP Industrial, Non-EX

Screen type

A Antiglare glass front, non-touch

R Touch screen, resistive, 5-wire, hardened glass

T Touch screen, resistive, 5-wire

PC919 PC monitor, 19 in (483 mm), SXGA (1280 x 1024 pixels)

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