

Features

- 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® Core™ i7-3517UE 1.7 GHz or Intel® Atom™ E3826 1.46 GHz

Application

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

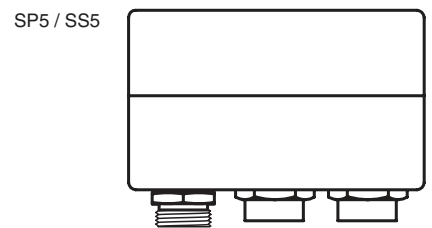
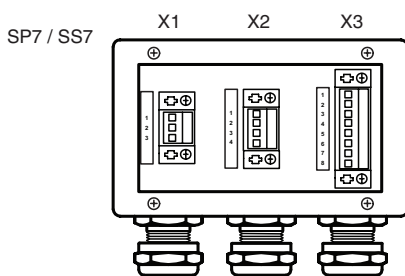
The PC919 series features an Intel Core i7-3517UE 1.7 GHz or Intel Atom E3826 1.46 GHz processor with available 120 GB SSD storage.

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

Release date 2018-11-20 09:54 Date of issue 2018-11-20 547087_eng.xml

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

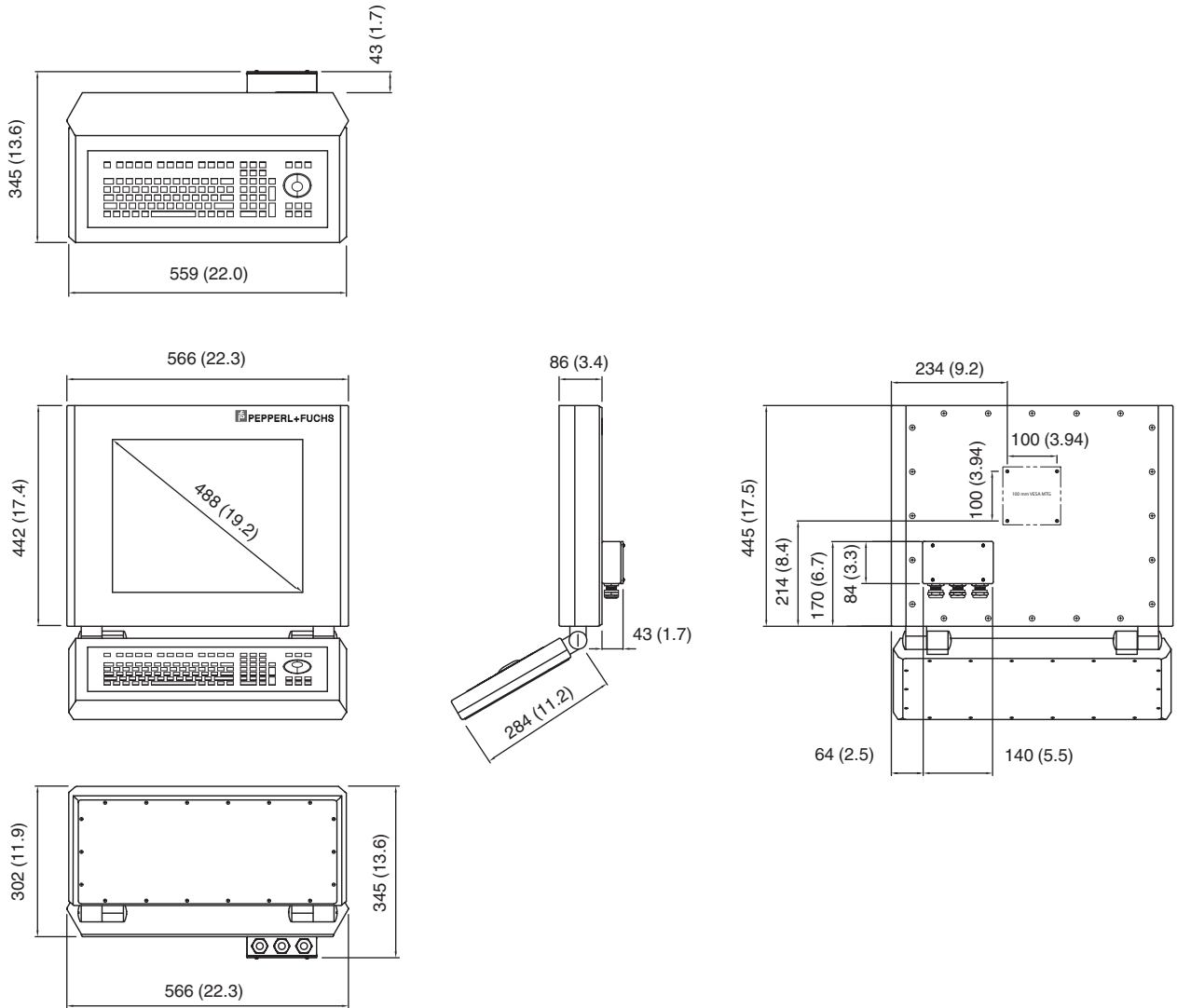
Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

Hardware	
Processor	Intel® Core™ i7-3517UE 1.7 GHz or 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
Indicators/operating means	
Display	
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 (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
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 7® Ultimate (32-bit or 64-bit) or 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	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 Intertek	Class I, Div. 2 Groups A, B, C, D; T4

Release date 2018-11-20 09:54 Date of issue 2018-11-20 547087_eng.xml

Dimensions



Accessories

VESA CABLE FEEDTHROUGH

Release date 2018-11-20 09:54 Date of issue 2018-11-20 547087_eng.xml

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

Type code

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

<p>Options N No options</p> <p>Special accessories S0 No special accessories SR RS485 LL Dual copper LAN (Gigabit Ethernet)</p> <p>Keyboard layout L0 No keyboard, no layout US Keyboard, layout U.S.</p> <p>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</p> <p>Keyboard housing C Hinge mounted N No keyboard, no mouse</p> <p>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)</p> <p>Power supply AC 90 - 260 V AC, 50 - 60 Hz - "GP" & "D2" Protection only DC 24 V DC</p> <p>Board specifications PD1 i7-3517UE 1.7 GHz dual core, 4 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 7 Ultimate (32-bit) PE2 i7-3517UE 1.7 GHz dual core, 8 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 7 Ultimate (64-bit) PE5 i7-3517UE 1.7 GHz dual core, 8 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 10 IoT Enterprise 2016 LTSB (64-bit) PF1 Atom E3826 1.46 GHz, 4 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 7 Ultimate (32-bit) PG2 Atom E3826 1.46 GHz, 8 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 7 Ultimate (64-bit) PI2 Atom E3826 1.46 GHz, 8 GB RAM, 120 GB SSD, 1 x LAN, 1 x USB, Windows 10 IoT Enterprise 2016 LTSB (64-bit)</p> <p>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</p> <p>Screen type A Antiglare glass front, non-touch R Touch screen, resistive, 5-wire, hardened glass T Touch screen, resistive, 5-wire</p>	<p>PC919 PC monitor, 19 in (483 mm), SXGA (1280 x 1024 pixels)</p>
---	---

Release date 2018-11-20 09:54 Date of issue 2018-11-20 547087_eng.xml

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com