



PC Workstation VisuNet Edge PC8619

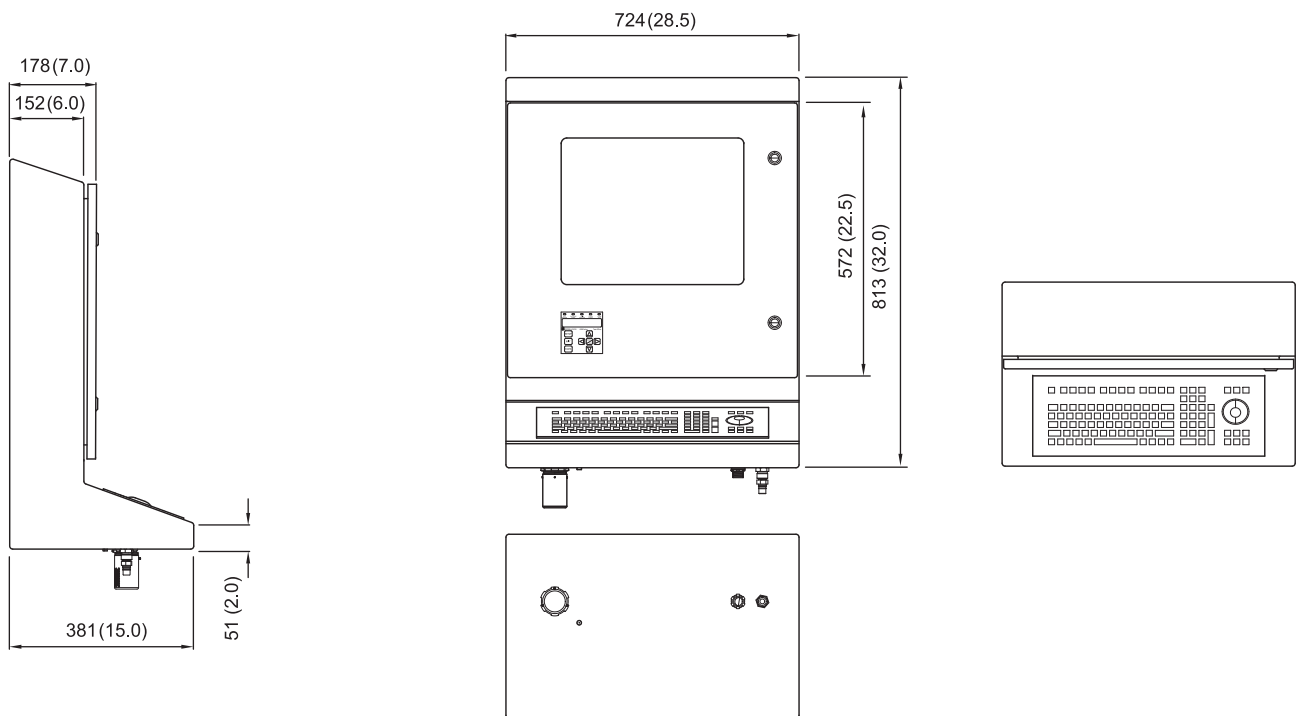
- Extended temperature range for indoor/outdoor use
- Modular design for field maintainability
- Solution for Class I, Div. 1 areas
- Utilizes 6000 Series Type X purge
- Variety of keyboard and mounting options
- Watershed housing allows for proper drainage
- Windows 7 Ultimate (32-bit or 64-bit)



Function

The VisuNet Edge is a universal design that is well suited for many applications. Specifically designed for manufacturing environments where dust, bacteria, water, and other undesirable materials might accumulate, the sloped enclosure provides washdown solutions with proper drainage to prevent standing water. The formed lip enclosure opening prevents the flow of liquid or other contaminants from entering the enclosure. The watershed enclosure with extended keyboard housing is available as a complete stand-alone PC workstation with different mounting options available: pedestal or wall mount.

Dimensions



Technical Data

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	

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

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Technical Data

Connection	Terminals
Power consumption	Intel® Atom™: max 70 W , 100 ... 240 VAC, 50 ... 60 Hz, or 20 ... 30 VDC Intel® Core™ i7: max 82 W , 100 ... 240 VAC, 50 ... 60 Hz, or 20 ... 30 VDC
Indicators/operating means	
Display	
Screen diagonal	19 inch (483 mm)
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	Intel® Core™ i7 : 1 GB ethernet, 2 x USB, audio, RS232, power Intel® Atom™ : 2 x 1 GB ethernet, 2 x USB, audio, RS232, 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)
Ambient conditions	
Operating temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	0 ... 90% (noncondensing)
Mechanical specifications	
Degree of protection	NEMA Type 4X
Material	304 (UNS S30400) stainless steel
Housing	304 (UNS S30400) stainless steel
Surface	#4, 180 grit
Mass	approx. 52.16 kg (115 lbs) Empty housing ; Varies with configuration
Dimensions	813 x 724 x 381 mm (32.0 x 28.5 x 15.0 inch) (sloping top) Volume: approx. 3.2 cu ft
Mounting	Wall or pedestal mount
International approvals	
UL approval	cULus
Approved for	Class I, Division 1, Groups A, B, C, D

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Technical Features

Purge Data	
General specifications	
Series	6000
Indicators/settings	
LED indicator	Safe pressure: Blue - safe pressure is achieved Enclosure power: Green - power on; Red - power off Rapid exchange: Blue - purging is running System bypass: Yellow - bypass is activated Alarm fault: Red (blinking) - any alarm input detected; Red (solid) - 6000 series system fault
Pneumatic parameters	
Protective gas supply	Instrument grade air or inert gas
Pressure requirement	20 ... 120 psig (1.4 ... 8.3 bar) (138 ... 827 kPa) regulated
Safe pressure	Gas: 0.25" wc (6.4 mm wc) (0.625 mbar) (62 Pa)
Purge flow and enclosure pressure rate	5 SCFM @ 1.3" wc, (141 l/min @ 33 mm wc) (3.3 mbar) (324 Pa) 12 SCFM @ 2.5" wc, (340 l/min @ 64 mm wc) (6.3 mbar) (623 Pa)
Flow rate for leakage compensation	0.01 SCFM (0.30 l/min) @ 0.25" 0.2 SCFM (5.6 l/min) @ 0.75" and up (depends on enclosure seal)
Purge time (4 volume exchange)	min = 2.00 min max = 2.60 min
Mechanical specifications	
Connection type	Pneumatic : Inlet fitting to manifold: 3/8" NPT (female) Outlet fitting from manifold: 3/8" bulkhead fitting (provided)
Note	For complete specifications of the purge system see the data sheet for the 6000 Control System Type X & Ex px purge and pressurization system

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Type code

P C 8 6 1 9 - U - D 1 - P D 1 A C W S 5 - C K 1 U S - S 0 - N

Options
N No option
Y Custom, consult factory

Special accessories
S0 No special accessories

Keyboard layout
US Keyboard, layout U.S.

Keyboard / mouse version
K1 Foil 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 Keyboard & mouse housing installed

Housing / frontplate version
WS5 Piano style housing (stainless steel 304), wall mount, service opening on front, hinges on left, extended keyboard
WS6 Piano style housing (stainless steel 304), pedestal mount, service opening on front, hinges on left, extended keyboard (pedestal not included - available as accessory)

Power supply
AC 90 - 260 V AC, 50 - 60 Hz
DC 24 V DC

Connection
PD1 i7-3517UE 1.7 GHz, 4 GB RAM, 120 GB SSD, 2 x LAN, 4 x USB, Windows 7 Ultimate (32-bit)
PE2 i7-3517UE 1.7 GHz, 8GB RAM, 120 GB SSD, 2 x LAN, 4 x USB, Windows 7 Ultimate (64-bit)
PF1 Atom E3826 1.46 GHz, 4 GB RAM, 120 GB SSD, 2 x LAN, 4 x USB, Windows 7 Ultimate (32-bit)
PG2 Atom E3826 1.46 GHz, 8 GB RAM, 120 GB SSD, 2 x LAN, 4 x USB, Windows 7 Ultimate (64-bit)

Protection
D1 Class I, Div. 1 Groups A, B, C, D

Screen type
A Antiglare glass front, non-touch
R Touch screen, resistive, 5-wire, hardened glass - "PC8619" option only
T Touch screen, resistive, 5-wire, intrinsically safe
U High-bright display, with touch screen, 5-wire resistive - "PC8619" option only
F High-bright display, non-touch, antiglare - "PC8619" option only
K High-bright display, with touch screen, 5-wire hardened resistive - "PC8619" option only

Monitor
PC8619 PC monitor, 19 in (483 mm), SXGA (1280 x 1024 pixels)

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