



# Remote Monitor Workstation

## VisuNet Edge RM8619

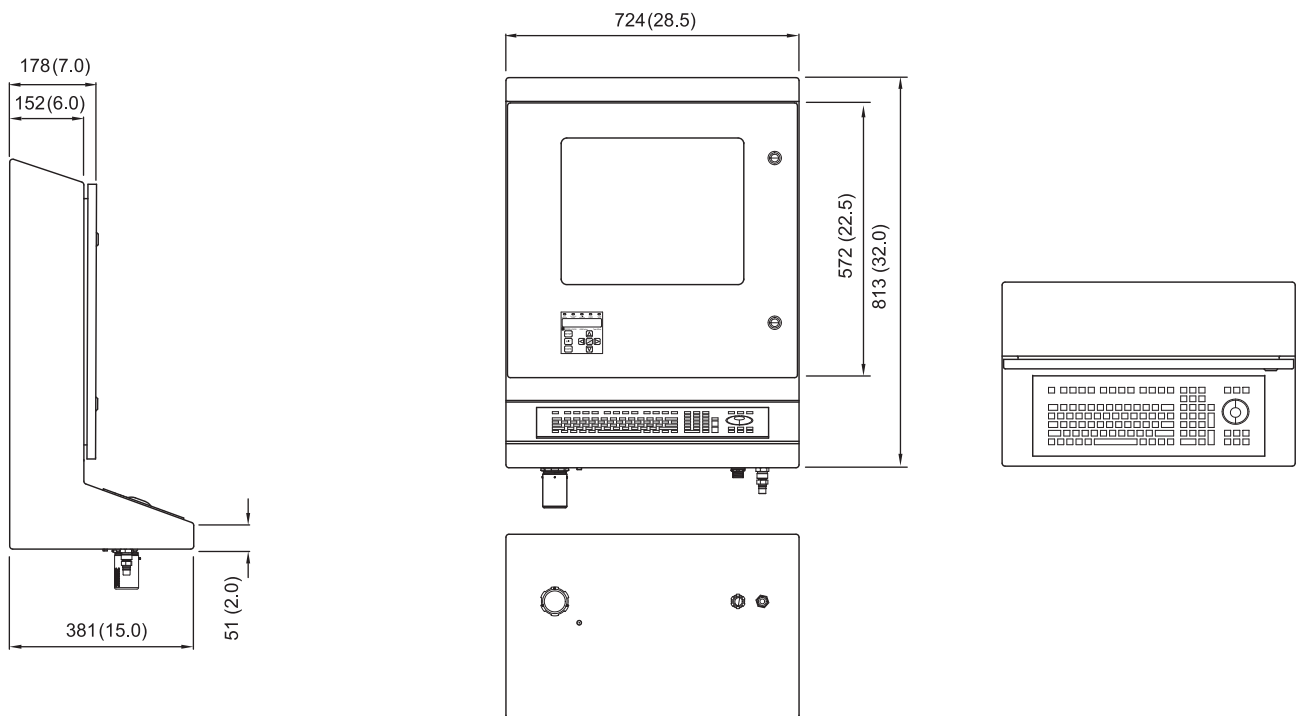
- Dedicated thin client for virtualization strategies using RDP 8.0, VNC, and other remote protocols
- Extended temperature range for indoor/outdoor use
- Modular design for field maintainability
- Solution for Class I, Div. 1 areas
- Utilizes 6000 Series Type X purge
- Variety of keyboard and mounting options
- Watershed housing allows for proper drainage
- VisuNet RM Shell 4.0 for secure and reliable connectivity



### 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 remote monitor with different mounting options available: pedestal or wall mount.

### Dimensions



### Technical Data

Hardware	
Processor	Intel® Atom™ E3826 1.46 GHz
RAM	4 GB
Mass storage	compact flash: 32 GB CFAST
Supply	

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: t159186\_eng.pdf

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



## Technical Data

Connection	Terminals
Power consumption	max 70 W , 100 ... 240 VAC, 50 ... 60 Hz, or 20 ... 30 VDC
<b>Indicators/operating means</b>	
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 <sup>2</sup> (nits) High-bright: 1000 cd/m <sup>2</sup> (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
<b>Interface</b>	
Interface type	2 x 1 GB ethernet, 2 x USB, audio, RS232, power
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
<b>Software</b>	
Operating system	VisuNet RM Shell 4.x (based on Microsoft Windows Embedded Standard 7)
<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)
<b>Mechanical specifications</b>	
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
<b>International approvals</b>	
UL approval	cULus
Approved for	Class I, Division 1, Groups A, B, C, D

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: t159186\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.comUSA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.comGermany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091  
pa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

## Technical Features

<b>Purge Data</b>	
<b>General specifications</b>	
Series	6000
<b>Indicators/settings</b>	
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
<b>Pneumatic parameters</b>	
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
<b>Mechanical specifications</b>	
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

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: t159186\_eng.pdf

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

**R M 8 6 1 9 - A - D 1 - T 51 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**  
**T51** Thin Client, Atom E3826 1.46 GHz, 4GB RAM, 32 GB CFAST, RM Shell (W7 embedded)

- 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 - "RM8619" option only  
**T** Touch screen, resistive, 5-wire  
**U** High-bright display, with touch screen, 5-wire resistive - "RM8619" option only  
**F** High-bright display, non-touch, antiglare - "RM8619" option only  
**K** High-bright display, with touch screen, 5-wire hardened resistive - "RM8619" option only

- Monitor**  
**RM8619** Remote monitor 19 in (483 mm), SXGA (1280 x 1024 pixels)  
**RM8622** Remote monitor 22 in (559 mm), WSXGA (1680 x 1050 pixels)

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: t159186\_eng.pdf