



## KVM Workstation VisuNet Edge KM8619

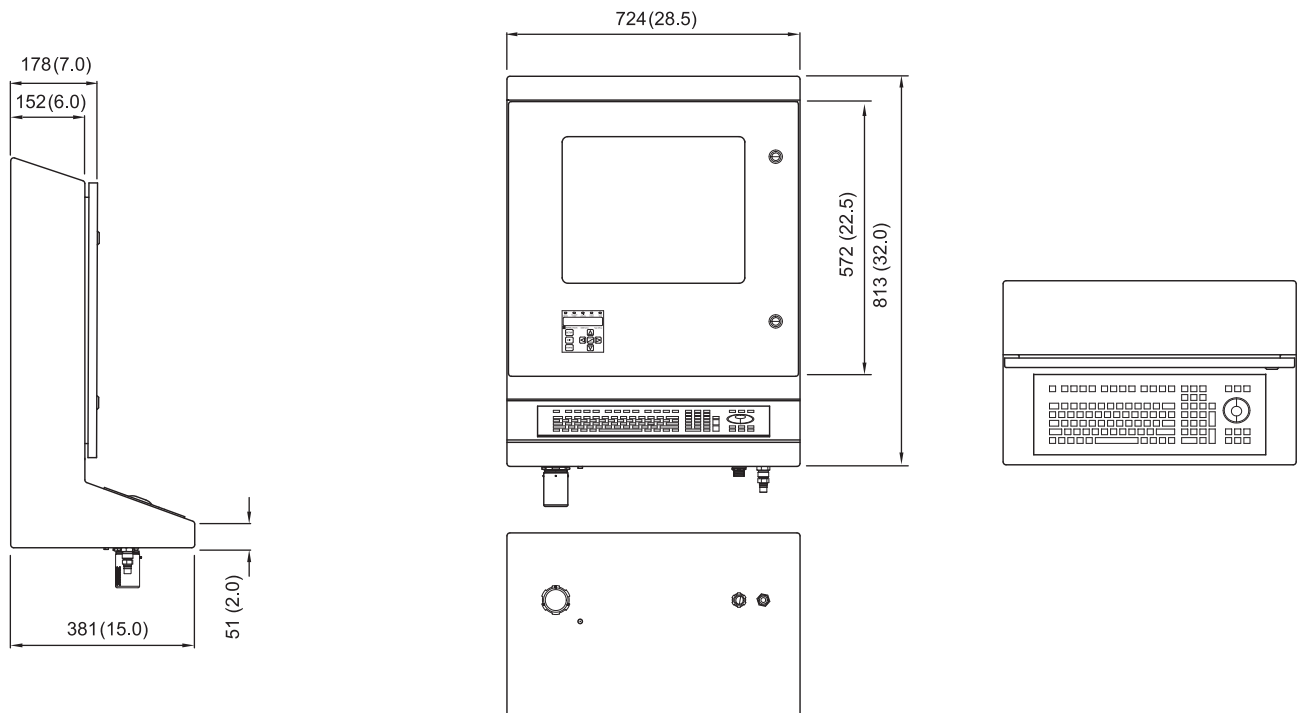
- Extended temperature range for indoor/outdoor use
- Fiber or Cat5 KVM communication for keyboard and touchscreen
- Modular design for field maintainability
- Solution for Class I, Div. 1 areas
- Utilizes 6000 Series Type X purge
- Variety of keyboard and mounting options
- Watershed housing allows for proper drainage



### Function

The VisuNet Edge is a universal design that is well suited for many applications. Unit features a hazardous area KVM for keyboard and touchscreen inputs. The intrinsically safe touchscreen properly protects the touchscreen interface. 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.

### Dimensions



### Technical Data

#### General specifications

|          |  |
|----------|--|
| Distance | Transmitter "K3": 300 m (1000 ft)<br>Transmitter "K4": 120 m (400 ft)<br>Transmitter "K5": 200 m (650 ft), 62.5 $\mu$ multimode; 400 m (1300 ft), 50.0 $\mu$ multimode |
|----------|--|

#### Supply

|            |                                  |
|------------|----------------------------------|
| Connection | Monitor: power, CAT5, fiber (LC) |
|------------|----------------------------------|

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: t159179\_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

**PF** PEPPERL+FUCHS

## Technical Data

|                                   |   |
|-----------------------------------|---|
| Power consumption                 | Main unit: 70 W max, 100 ... 240 VAC, 50 ... 60 Hz; 20-30 VDC<br>Transmitter "K3": PS2 power<br>Transmitter "K4": 5 VDC @ 10 W, max<br>Transmitter "K5": 5 VDC @ 10 W, max  |
| <b>Indicators/operating means</b> |   |
| Indicators                        | Transmitter "K3": video check LED<br>Transmitter "K4": video check LED; front panel - power<br>Transmitter "K5": video check LED; front panel - power   |
| <b>Display</b>                    |   |
| Screen diagonal                   | 19 inch (483 mm)  |
| Response time                     | Standard: 12 ms<br>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)<br>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                     | Transmitter "K3": VGA - HD15M/F; 2 x PS2 (keyboard & mouse); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6)<br>Transmitter "K4": 29-pin DVI-D; 2 x USB Type A (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6)<br>Transmitter "K5": 29-pin DVI-D; 2 x USB Type A (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); fiber optic (multimode) LC connectors |
| Touchscreen                       | 5-wire resistive<br>5-wire hardened resistive   |
| <b>Serial data</b>                |   |
| Baud rate                         | 19.2 KBd max  |
| Flow control                      | RTS, CTS, DTR, DSR  |
| <b>Directive conformity</b>       |   |
| Electromagnetic compatibility     |   |
| Directive 89/336/EEC              | EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3 (main unit)<br>EN55022, EN55024, IEC61000-4-2, IEC61000-4-3, IEC61000-4.4, IEC61000-4-5, EN61000-3-2, EN61000-3-3 (KVM transmitters)  |
| Low voltage                       |   |
| Directive 73/23/EEC               | EN60950 (KVM transmitters)  |
| <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)<br>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: t159179\_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<br>Enclosure power: Green - power on; Red - power off<br>Rapid exchange: Blue - purging is running<br>System bypass: Yellow - bypass is activated<br>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)<br>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"<br>0.2 SCFM (5.6 l/min) @ 0.75"<br>and up (depends on enclosure seal)  |
| Purge time (4 volume exchange)         | min = 2.00 min<br>max = 2.60 min  |
| <b>Mechanical specifications</b>       |   |
| Connection type                        | Pneumatic :<br>Inlet fitting to manifold: 3/8" NPT (female)<br>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: t159179\_eng.pdf

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

Type code

**K M 8 6 1 9 - A - D 1 - K 3 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**  
**K3** KVM for VGA video included, 2 x PS/2, 1 x RS232, analog CAT x cable transmission  
**K4** KVM for DVI-D video included, 2 x USB interface, 1 x RS232, CATx cable transmission  
**K5** KVM for DVI-D video included, 2 x USB interface, 1 x RS232, fiber-optic transmission (multimode), 2 x LC connectors

**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 - "KM8619" option only  
**T** Touch screen, resistive, 5-wire  
**U** High-bright display, with touch screen, 5-wire resistive - "KM8619" option only  
**F** High-bright display, non-touch, antiglare - "KM8619" option only  
**K** High-bright display, with touch screen, 5-wire hardened resistive - "KM8619" option only

**Monitor**  
**KM8619** KVM monitor, 19 in (483 mm), SXGA (1280 x 1024 pixels), internal KVM  
**KM8622** KVM monitor, 22 in (559 mm), WSXGA (1680 x 1050 pixels), internal KVM

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: t159179\_eng.pdf