



KVM Workstation

VisuNet Edge KM8621

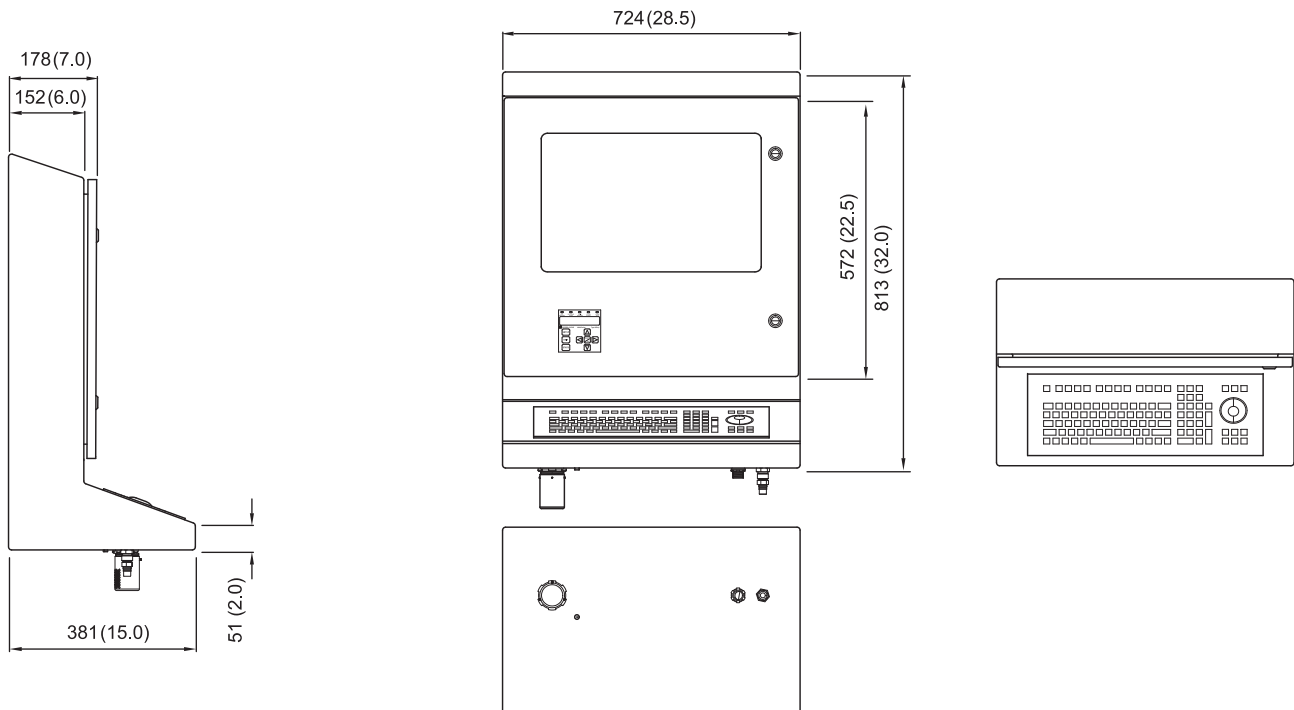
- Extended temperature range for indoor/outdoor use
- Fiber or Cat5 KVM communication for keyboard and touchscreen
- Modular design for field maintainability
- Solution for Class I, Div. 1 areas
- Utilizes 6000 Series Type X purge
- Variety of keyboard and mounting options
- Watershed housing allows for proper drainage
- Widescreen 16:10 aspect ratio



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) Transmitter "K4": 120 m (400 ft) Transmitter "K5": 200 m (650 ft), 62.5 μ multimode; 400 m (1300 ft), 50.0 μ multimode
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Supply

Connection	Monitor: power, CAT5, fiber (LC)
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Power consumption	Main unit: 70 W max, 100 ... 240 VAC, 50 ... 60 Hz; 20-30 VDC Transmitter "K3": PS2 power Transmitter "K4": 5 VDC @ 10 W, max Transmitter "K5": 5 VDC @ 10 W, max
Indicators/operating means	
Indicators	Transmitter "K3": video check LED Transmitter "K4": video check LED; front panel - power Transmitter "K5": video check LED; front panel - power
Display	
Screen diagonal	22 inch (559 mm)
Response time	4 ms
Resolution	1680 x 1050
Color depth	24 bit (16.7 M) color
Contrast	1000:1
Brightness	250 cd/m ² (nit)
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) Transmitter "K4": 29-pin DVI-D; 2 x USB Type A (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6) 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
Serial data	
Baud rate	19.2 KBd max
Flow control	RTS, CTS, DTR, DSR
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3 (main unit) 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)
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

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

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