

## Features

- 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

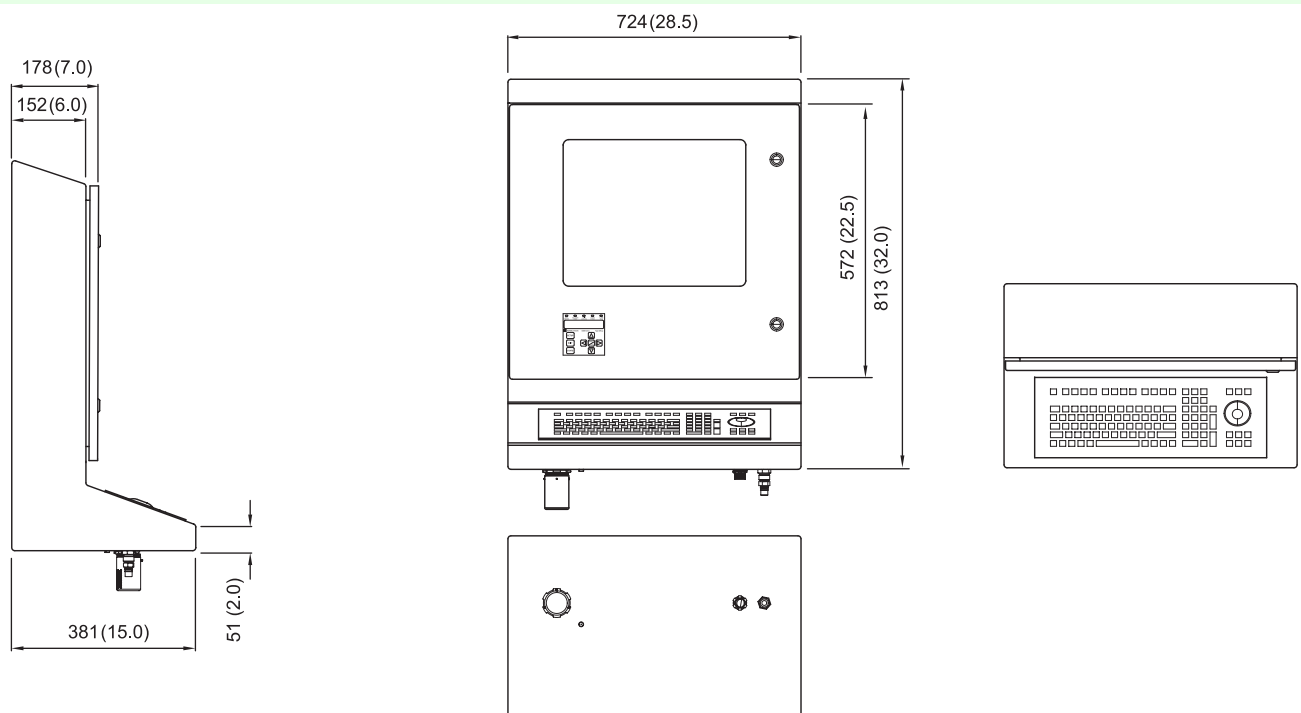
## Application

The VisuNet IND 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



|                                   |   |
|-----------------------------------|---|
| <b>General specifications</b>     |   |
| Distance                          | Transmitter "K3": 300 m (1000 ft)<br>Transmitter "K4": 120 m (400 ft)<br>Transmitter "K5": 200 m (650 ft), 62.5 μ multimode; 400 m (1300 ft), 50.0 μ multimode  |
| <b>Supply</b>                     |   |
| Connection                        | Monitor: power, CAT5, fiber (LC)  |
| 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                   | 19.0" (48.3 cm)   |
| Response time                     | 15 ms   |
| Resolution                        | 1280 x 1024   |
| Color depth                       | 24 bit (16.7 M) color   |
| Contrast                          | 900:1   |
| Brightness                        | Standard: 300 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)<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>  |   |
| Protection degree                 | Nema Type 4X , Type 4   |
| Material                          | 304 (UNS S30400) stainless steel , Powder coated steel  |
| Housing                           | 304 (UNS S30400) stainless steel , Powder coated steel  |
| Surface                           | #4, 180 grit  |
| Mass                              | approx. 52.16 kg (115 lbs) Empty housing ; Varies with configuration  |
| Dimensions                        | 813 mm x 724 mm x 381 mm (32.0 in x 28.5 in x 15.0 in) (sloping top)<br>Volume: approx. 3.2 cu ft   |
| Mounting                          | Wall or pedestal mount  |
| <b>International approvals</b>    |   |
| UL approval                       | cULus :<br>Class I, Division 1, Group B, C, D   |

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|--|---|
| <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   |

