



Elevation

Industrial touchscreen monitor specifically designed for use in hazardous environments and **ATEX and EX** certified to ensure safety in industrial environments where explosive gases, vapours and dust are present. Capacitive touchscreen technology in an aluminium and magnesium alloy chassis. Passive cooling without the use of fans. **Full IP65** protection (front and rear).

Certificates:

ATEX/IECEx Zone 2, Zone 22 and C1D2/C2D2/C3 Certified



TECHNICAL SPECIFICATIONS

15" 4:3 Panel [eMonitor 15 PM ATEX]

- Native Resolution: 1024x768
- Contrast: 800:1 / Brightness: 420cd/m2
- Operating Temp.: 0 ~ 60 °C

15.6" 16:9 Panel [eMonitor 156 PM ATEX]

- Native resolution: 1366x768
- Contrast: 300:1 / Brightness: 500cd/m2
- Operating Temp.: 0 ~ 55 °C

18.5" 16:9 Panel [eMonitor 185 PM ATEX]

- Native resolution: 1366x768
- Contrast: 1000:1 / Brightness: 500cd/m2
- Operating Temp.: 0 ~ 55 °C

19" 5:4 Panel [eMonitor 19 PM ATEX]

- Native resolution: 1280x1024
- Contrast: 1000:1 / Brightness: 250cd/m2
- Operating Temp.: 0 ~ 55 °C

21.5" 16:9 Panel [eMonitor 21 PM ATEX]

- Native resolution: 1920x1080
- Contrast: 500:1 / Brightness: 300 cd/m2
- Operating Temp.: 0 ~ 55 °C

OTHER TECHNICAL DATA

Housing: Front panel and rear cover made of aluminium and magnesium alloy.**Mounting:** Flush mount, VESA 100 with waterproof nut.**Rear I/O:** 1 x M12 4-pin DC power supply; 1 x M12 8-pin IDD-LINK4.**Input voltage:** DC 24V. Power consumption 34 W.**Touchscreen:** 10-point multi-touch capacitive touchscreen.**Light transmission:** >85%.**Driver support:** Windows XP, Windows 7, Windows 8, Windows 10/11, Linux, CE.**Surface hardness:** Capacitive touchscreen glass: Mohs hardness 7H.**Relative humidity:** 5 ~ 95% (non-condensing)**Shock:** 10G peak (11 ms), in accordance with IEC 60068-2-27**Vibration:** 5~500 Hz, 1Grms (with SSD), in accordance with IEC 60068-2-64**EMC:** CE / FCC Class A**Protection:** IP65 total, water and dust resistant**Certifications:**

ATEX Gas II 3 G Ex ec IIC T4 Gc

ATEX Dust II 3 D Ex tc IIC T135°C Dc

Standards EN 60079-0:2018

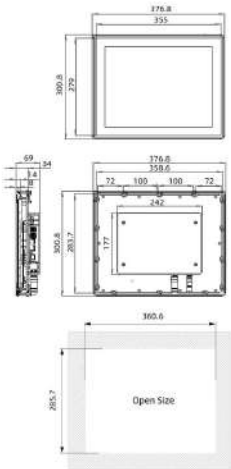
EN 60079-7:2015

EN 60079-31:2014

I/O PORTS

**Interface definition:****A:** 1 x M12 4pin A-code DC power supply**B:** 1 x M12 8pin X-code IDD-LINK4

DRAWING PANEL 15"

**PRODUCT VALUES**

- > Focused on eliminating any potential source of ignition.
- > Fully encapsulated PC panel.
- > Resistant to harsh environments; dust, vibrations, high voltages.
- > Resistant to high temperatures and humidity.
- > Expandable equipment configuration: resolution/luminance/touch technology.

MOST COMMON APPLICATIONS

- > Human-Machine Interface (HMI)
- > Artificial Vision Systems
- > Packaging Line Control
- > Process Monitoring (SCADA)
- > Petrol Stations.

SOME SUCCESS STORIES

- > Monitoring flow, pressure and temperature in pipes and valves (Zone 1 or 2).
- > Control of reactors and volatile solvent mixing processes.

APPLICATION SECTORS

- > Oil and Gas Refineries
- > Chemical Industry
- > Grain Mills and Silos
- > Mining and Drilling

ALTERNATIVE REFERENCES

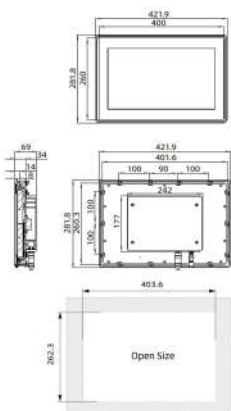
- > eMonitor PM ATEX

CERTIFICATIONS

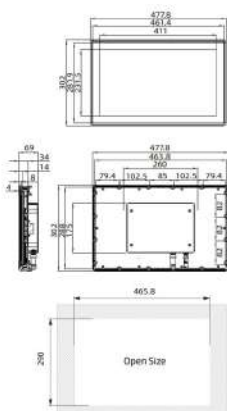


DIMENSIONS

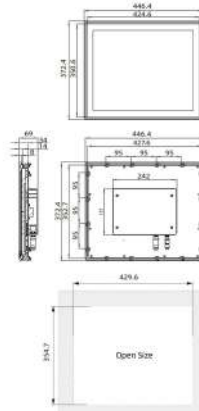
DRAWING PANEL 15,6"



DRAWING PANEL 18,5"



DRAWING PANEL 19"



DRAWING PANEL 21,5"

