



Front

Full IP65 (Front / Rear) Industrial Touch Panel PC specifically designed for use in hazardous environments, featuring **ATEX and EX certification** to ensure safety in industrial settings containing explosive gases, vapours, and dust. It features an i7 7500u 3.5GHz processor, a capacitive technology touchscreen, and a fanless computer housed in an aluminium and magnesium alloy chassis. Passive cooling is utilised without the use of fans. **Certifications:** **ATEX/IECEx Zone 2, Zone 22. C1D2/C2D2/C3 Certified**



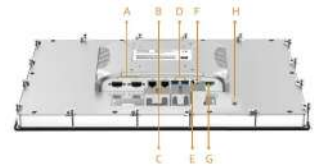
TECHNICAL SPECIFICATIONS

- 15" 4:3 Panel [ePX15 PM i7 7500u ATEX]:**
- Native Resolution: 1024x768
 - Contrast: 800:1 / Brightness: 420cd/m2
 - Operating Temp.: 0 ~ 60 °C
- 15.6" 16:9 Panel [ePX156 PM i7 7500u ATEX]:**
- Native Resolution: 1366x768
 - Contrast: 300:1 / Brightness: 500cd/m2
 - Operating Temp.: 0 ~ 55 °C
- 18.5" 16:9 Panel [ePX185 PM i7 7500u ATEX]:**
- Native Resolution: 1366x768
 - Contrast: 1000:1 / Brightness: 500cd/m2
 - Operating Temp.: 0 ~ 55 °C
- 19" 5:4 Panel [ePX19 PM i7 7500u ATEX]:**
- Native Resolution: 1280x1024
 - Contrast: 1000:1 / Brightness: 250cd/m2
 - Operating Temp.: 0 ~ 55 °C
- 21.5" 16:9 Panel [ePX21 PM i7 7500u ATEX]:**
- Native Resolution: 1920x1080
 - Contrast: 500:1 / Brightness: 300 cd/m2
 - Operating Temp.: 0 ~ 55 °C

OTHER TECHNICAL DATA

- Certified to meet: II 3 G Ex ec IIC T4 Gc / II 3 D Ex tc IIIC T135°C Dc / EN 60079-0:2018 / EN 60079-7:2015 / EN 60079-31:2014 standards
- 4 x USB 3.0 ports. Wi-Fi / 4G
- 2 x RS232/RS485 with surge protection; **RS485** supports automatic flow control
- 1xHDMI/2xGLAN/4xUSB/2xCOM/AUDIO/DC IN/Power Switch
- Graphics Card: Intel® HD Graphics 620
- Touchscreen Options: **Single-point resistive touch, multi-point capacitive touch, or non-touch display**
- OS Compatibility: Compatible with Windows 7, Windows 8, Windows 10, Windows 11, Linux, etc. **(Note: Intel® Celeron® J6412 processors do not support Win7)**
- Backlight Type: LED
- Viewing Angle: 89/89° (178° full viewing angle)
- Touch Durability: ≥ 50 million touches
- Power Performance: 100-240V, 50-60HZ
- Input Voltage: **9-36V**
- Antistatic Protection: **4KV contact / 8KV air**
- Vibration: Compliant with IEC 60068-2-64 / GB2423
- EMC: CE / FCC Class A (Industrial interference protection)
- Ambient Humidity: 0~55% (non-condensing). Operating Temperature: -20°C to 60°C
- Audio: Audio Input and Output

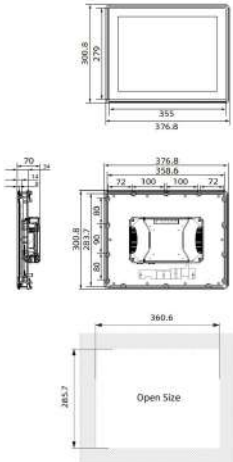
I/O PORTS



Interface definition:

- A: 2 x COM (RS232/RS485) E: 1 x HDMI
B: Audio output F: Power switch
C: 2 x LAN G: DC IN
D: 4 x USB H: GND

DRAWING PANEL 15"



PRODUCT VALUES

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

TYPICAL APPLICATIONS

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

APPLICATION SECTORS

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

SELECTED SUCCESS STORIES

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

REFERENCIAS ALTERNATIVAS

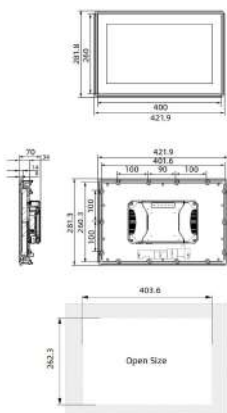
- > eMonitor PM ATEX

CERTIFICATIONS

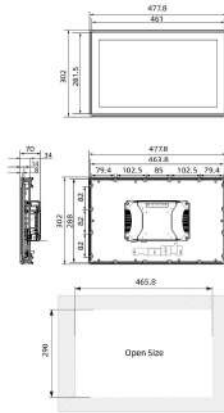


DIMENSIONS

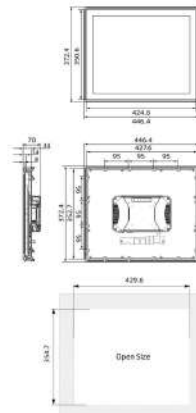
DRAWING PANEL 15,6"



DRAWING PANEL 18,5"



DRAWING PANEL 19"



DRAWING PANEL 21,5"

