

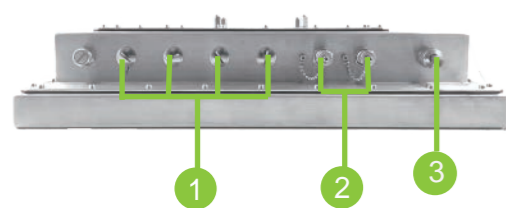
WTPE Panel PC Series



WTPE-9E66-15W (Front)



WTPE-9E66-15W (Back)



WTPE-9E66-15W (I/O)

- 1 USB, LAN ports, COM ports (ec protection)
- 2 COM ports (M12 x2) (ic protection)
- 3 DC-in

WTPE Series Selection Guide

WTPE Series			
Product	WTPE-9E66-15W	WTPE-9E66-19W	WTPE-9E66-22W
CPU	Intel® Skylake		
Size	15"	19"	21.5"
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (Full HD)
Color Numbers	16.7M		
View Angle (H/V)	160/160	170/160	178/178
Contrast	600:1	1000:1	5000:1
Brightness (nits)	450	350	300
Touch screen	Full flat resistive touch screen		
Operation Temp.	-20 ~ 60 °C		-10 ~ 55 °C
External IO	USB 2.0x2, LANx2 via water proof gland COMx2 via M12 water proof connector		
Power Adapter	AC 100 ~ 240V / 47 ~ 63 Hz / DC output 24V, 100W		
OS Support	Win7/ Win8 / Win10		
Certification	CE(EMC), VCCI, FCC Class B, ATEX Zone 2 Ex ec ic IIC T4 Gc Class I, Division 2, Group ABCD T5		

About Wincomm Corp.

Wincomm is one of Taiwan's leading manufacturer of industrial computer and embedded computer products. Wincomm designs and develops all in one panel PC, large size all in one digital signage system, rugged box PC and embedded software products for a broad range of industries and applications. Wincomm aims to provide hardware and software integrated solutions for the most variant environments such as industrial automation/ human machine interface control, digital signage / infotainment Kiosk, and medical computing.

Application



Headquarters

3F, No. 14, Prosperity Road II, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.

Tel +886 3 578 0000

Fax +886 3 577 0631

sales_support@wincomm.com.tw

Wincomm USA

2138 Ringwood Avenue, San Jose, CA 95131 USA

sales_support@wincomm.com.tw

Wincomm Japan

#206, 4-16-17, Namiki, Kawaguchi-City, Saitama, 332-0034, Japan

sales_support@wincomm.com.tw

WTPE Series

Explosion Proof ePlatform Solutions

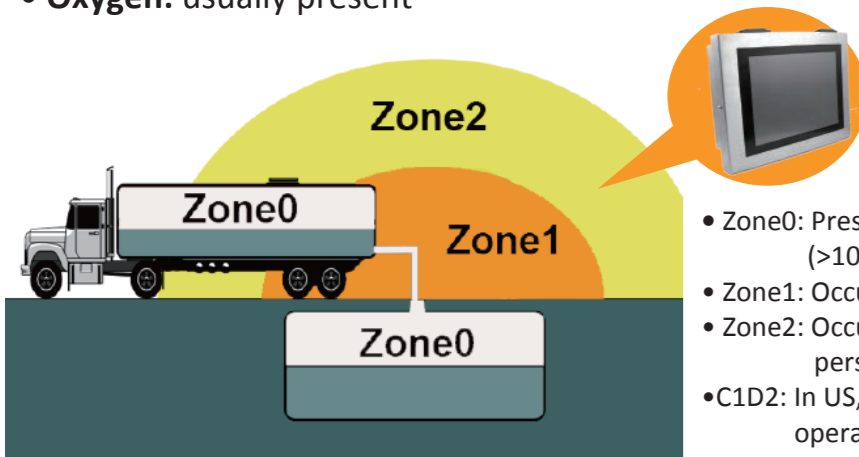
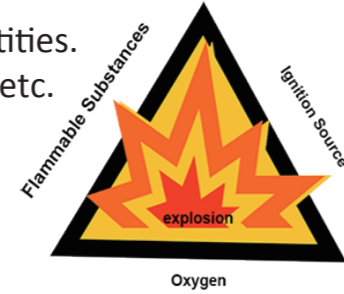




When Will an Explosion Occur?

As a rule, the explosion can be occurred when three elements exist. The basic principle for explosion proof protection is to eliminate one or more legs of the explosion triangle.

- **Flammable material:** can be a gas, vapor or dust in sufficient quantities.
- **Source of ignition:** any source of energy, e.g. a spark or high temp etc.
- **Oxygen:** usually present



- Zone0: Present frequently, continuously, or for long periods. (>1000hrs./yr)
- Zone1: Occur in normal operation occasionally. (<1000 hrs./yr)
- Zone2: Occur in normal operation, but if it does occur, will persist for a short period only. (less than 10 hrs/yr)
- C1D2: In US, it certified that WTPE series could secure safe operation under flammable or explosive gases/ vapors, potential environments.

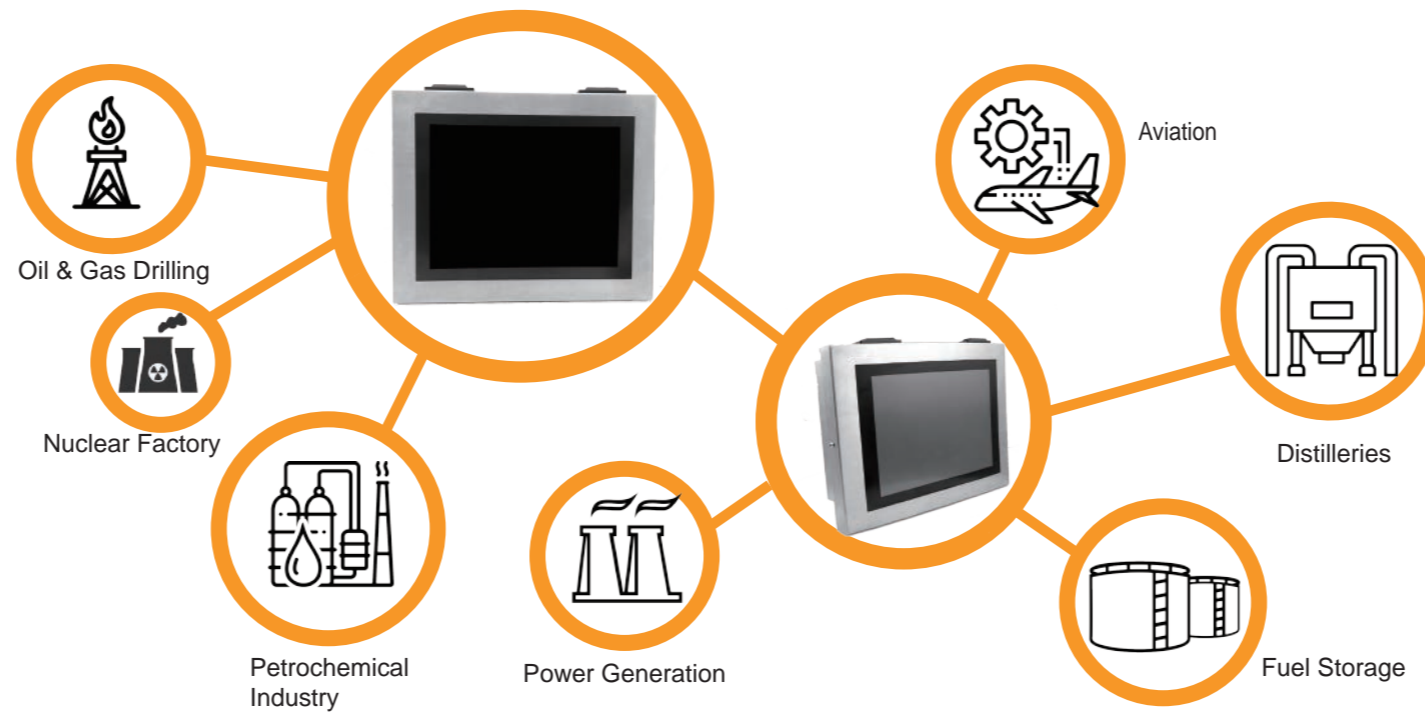
Why Explosion Proof Panel PC

<p>Easy installation via gland and connector panel, flexible & max support to 4 ports.</p> <p>Stainless/ Chassis / M12 connections</p> <p>Expansion Design</p>	<p>15" 19" 21.5"</p> <p>Size from 15" to 21.5" TFT LCD</p> <p>Full Range of LCD Size</p>	<p>Front IP66 Touch Lock</p> <p>IIP66 water/dustproof Touch on/off for hygienic cleaning</p> <p>24/7 Operation without limitation Robust Antenna</p> <p>Harsh Environment Solution</p>	<p>Ex CE VCI IECEx FC Class B</p> <p>High Quality & Customize Service</p>
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The Explosion Proof Panel PC series are built to suit for hazardous environments, undergoing rigorous testing to ensure safety and top performance. It is capable of withstanding vibration, shock, corrosion and can operate under the condition of exposure to gas and vapor. All of the models in the Explosion Proof Series are sealed to at least IP66 standards offering the best solution for environments with explosion considerations. The Explosion Proof Panel PC works well in oil & gas industry, chemical manufacturing, power generation, distilleries and other hazardous industrial applications. Wincomm takes our users concern to meet ATEX Zone 2 / IECEx / C1D2 certificate and WTPE series provide extremely safty design to fulfill Ex-area application requirements.



Wincomm Explosion Proof Panel PC Series Applications



Features Highlight

<p>Powerful thermal solutions with stable CPU operation</p> <p>1. Fanless cooling by high heat efficiency heat pipe and large heat dissipation heatsink, optimal MB power design to maximize power efficiency and minimize heat generation.</p> <p>2. PTFE ventilation film to exhaust hot air for air pressure balance to avoid stainless steel case deformation; enclosure IP grade is still effective.</p>	<p>Extremely environment solution: wide range temp & water/dust proof</p> <p>With special selected key components (ex. LCD, RAM, Storage, power module ...), large heat dissipation heatsink and Wincomm "pre-heating control system", WTPE products could be 24/7 operation under -20~60°C.</p>
<p>No corrosion after long-term usage</p> <p>With dedicated designs in</p> <ul style="list-style-type: none"> - Stainless steel covers, glands and screws - Robust connectors, seals, antenna covers - Touch screen bonded with LCD - Low power circuit in COM and touch screen <p>WTPE series can be guaranteed no corrosion after long-term usage.</p>	<p>Saving space by downward I/O design</p> <p>With minimized outside dimensions and downward external IO, it doesn't occupy but saving space.</p>

<p>Equipments Monitoring</p> <p>All data from pipe/ tank or equipmt would be inspected or monitored and the information would be collected for adjustment or maintenance.</p>	<p>Data Exchanging & Collection</p> <p>To collect data from dangerous field, operators could get all information of equipment temp, air pollution rate etc. to communicate other operated field without showing up.</p>
<p>Real-time Controlling</p> <p>In gas, oil industry or hazardous environments, real time controlling for power on/off and any other emergency maintenance via explosion proof panel PC is exactly requirement.</p>	<p>Central Control Room</p> <p>With 24/7 operation and high performance CPU, central control room is presented to deal with any situation and communication.</p>