



# Litemax Solutions for Energy, Chemical, and Explosion-Proof Industries

## Litemax Technology Advantages

In the energy and chemical industries, equipment often operates in extreme environments with high temperatures, dust, humidity, and strong vibrations. Explosion-proof areas require compliance with international standards such as ATEX and IECEx. Litemax provides high-brightness, waterproof, wide-temperature, and explosion-proof certified display and computing devices to enhance production monitoring, digital management, and safety surveillance.

## Litemax Solutions and Application Scenarios

### • Monitoring Displays in High-Temperature and High-Dust Environments

Applications:

Boiler control rooms, power plant engine rooms, chemical reaction towers, refineries, etc.

Key Needs:

High brightness, wide temperature design, dustproof, waterproof, vibration-resistant.

#### **21.5" IP65 P-CAP Panel PC IPPS-2152**

21.5" LCD, 1920 x 1080 pixel  
10 points P-CAP touch screen  
Front IP 65  
True Flat Design  
Fanless design



## • Explosion-Proof Area Display and Control Systems

Applications:

Petrochemical plants, oil and gas platforms, hazardous chemical storage areas, etc.

Key Needs:

Explosion-proof certification (e.g., ATEX, IECEx), high reliability, long-term stable operation.

### **55" industrial grade sunlight readable LCD, with high brightness 2500 nits DLD5500-I**

High brightness 2500nits

Sunlight Readable

Wide Operation Temperature (-30 ℃ ~70℃)

LCD Blackening Defect Free (H-Tni 110 ℃)

Surface Treatment (Haze 25%)

Low Power Consumption

BL MTBF: 100,000 hours



## • Intelligent Monitoring and Edge Computing Systems

Applications:

Energy monitoring centers, chemical production lines, equipment early warning systems, etc.

Key Needs:

Edge computing, high stability, support for sensors and IoT integration.

### **Embedded Box System with AMD® Ryzen™ IBOX-V1K0**

AMD® Ryzen™ Embedded V1000 APU onboard

High Performance "Zen" Core CPU + "VEGA" Graphics GPU

Four 4K@60 monitors support

Multi-Display: 4 x HDMI

2 x LAN, 2 x USB 3.1

1 x SATA III, 1 x Mini-PCIe(w/uSIM), 1 x M.2 M-key 2260(SSD)

DC-in 12

