



# Litemax Warehouse & Logistics Solutions

## Litemax Product Advantages

- **High Brightness / Sunlight Readable Displays**

In warehouse environments—especially near loading docks, outdoor platforms, window aisles, or skylight areas—strong ambient light and reflections often reduce screen visibility. Litemax’s high-brightness and anti-reflective display designs address these challenges, ensuring clear visibility even under direct sunlight.

- **Custom, Resized, and Stretched Display Options**

Warehouses often have limited installation spaces such as narrow aisles, rack ends, or shelf-top signage areas where standard displays are not practical. Litemax’s Spanpixel resizing technology allows custom, ultra-wide, or non-standard aspect ratios that fit perfectly into these spatial constraints.

- **24/7 Operation and Long Lifespan**

Warehouse display systems for monitoring or information boards require long-term reliability. Litemax’s Durapixel series is engineered for continuous operation, offering high stability and durability for mission-critical environments.

- **Embedded Computing and Control Integration**

Integrating display devices with control systems, sensors, or IoT platforms reduces system complexity and latency. Litemax provides a complete range of embedded boards and fanless industrial box PCs that can seamlessly integrate with its display modules for intelligent warehouse solutions.

- **Rugged Design and Wide Temperature Support**

Certain models support wide operating temperatures (e.g.,  $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ ), ideal for cold-storage areas or zones near external walls exposed to temperature variation.

# LiteMAX Solutions and Application Scenarios

## • Warehouse Monitoring and Visual Management Boards

High-brightness displays can be deployed inside or outside warehouses as information panels, showing real-time inventory levels, order status, inbound/outbound alerts, and safety messages. Given environmental challenges such as glare, dust, or humidity, LiteMAX's sunlight-readable and ruggedized displays are ideal.

### **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



## • Displays for Wearable or Handheld Terminals

Operators often use handheld scanners or wearable terminals for barcode/RFID scanning and pick/replenishment instructions. These devices require good sunlight readability for both indoor and outdoor use near loading docks.

### **8" P-CAP Fanless Rugged Android Mobile Tablet PC with MT6789 Processor ITAB-0803-MTK0**

Full IP65 Ruggedized Design  
MediaTek MT6789 processor  
8" LCD, 1920 x 1200, 550 nits  
P-CAP 5 Points touch screen  
MIL-STD-810H, CE, FCC, RoHS Certified



## • Human-Machine Interfaces (HMI) and Control Panels

In automated warehouse systems—such as conveyor control, sorting machinery, or AGV/robot interfaces—displays must be durable, responsive, and visible under various lighting conditions. LiteMAX offers rugged panel PCs and modular touch displays designed for industrial HMI applications.

### **19" IP65 P-CAP Panel PC IPPS-1968**

19" LCD, 1280 x 1024 pixel  
10 points P-CAP touch screen  
Front IP 65  
True Flat Design  
Fanless design



## • Edge Computing and Monitoring Display Units

As logistics increasingly adopt IoT and AI-based visual inspection (e.g., damage detection, object recognition, packaging validation, or machine safety monitoring), edge nodes combining local computation and display become essential. Litemax's embedded computing platforms and display systems provide ideal edge-compute solutions.

### **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



## • Outdoor / Semi-Outdoor Facilities

For outdoor warehouse areas—such as open-air loading zones, high-bay passages, or parking lots—weather-resistant, high-brightness displays enhance operational safety and directional visibility. Litemax's sunlight-readable and IP-rated displays are built for these conditions.

### **43" TFT LCD, 1800nits LED Backlight, 1920x1080 4309-B**

43" sunlight readable, high brightness (1,800 nits)  
Resolutions: 1920x1080  
Wide viewing angle of 178° (H), 178° (V)  
Contrast ratio (1300 :1)  
Low power consumption  
LCD Blacking Defect Free(Hi-Tni 110 C)  
BL MTBF: 100,000 hours

