



Litemax Metal Manufacturing and Mining Solutions

Litemax Technology Advantages

- **High Brightness / Sunlight Readable**

Litemax displays ensure excellent visibility even under intense lighting conditions in mining sites or metal smelting plants.

- **Wide Temperature & Rugged Design**

Many models support wide operating ranges (e.g., $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$) and are built with shockproof, dustproof, and waterproof structures ideal for industrial use.

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

The Durapixel series is engineered for continuous 24/7 operation, maintaining high stability in nonstop manufacturing and monitoring settings.

- **Embedded & Edge Computing Integration**

Integrated with embedded boards and Box PCs, Litemax solutions enable edge computing for IoT, AI vision inspection, and equipment monitoring.

LiteMAX Solutions and Application Scenarios

• Factory Monitoring & Process Dashboards

Display real-time data such as temperature, pressure, production flow, and safety alerts in metal refining or forging facilities.

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



• HMI & Control Panels

For operators controlling furnaces, conveyors, or cranes, providing durability against vibration, dust, and moisture.

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



• Vehicle & Outdoor Displays in Mining

Used in haul trucks, excavators, or outdoor safety signage—requiring high brightness, weather resistance, and vibration protection.

15.6" EN50155 Touch Panel PC with Intel® 8th Gen Core™ Processor ITRP-1562-WHLO-ZP00

Intel® 8th Gen Core™ Processor onboard
EN50155 / EN45545
15.6" LCD, 1920 x 1080, 450 nits
P-CAP 10 points touch screen
5USB , 1COM ,1 LAN , 1DIO
DC 16.8~31.2V Input



• Edge Computing and Vision Stations

Deployed for real-time AI inspection, predictive maintenance, and data visualization at production or mining sites.

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

