# AURA-150-MTL

Flagship Intel® MTL Industrial Panel PC

## Features

» Ultimate Performance: Intel® MTL CPU with up to 96GB DDR5 for Edge AI tasks.

» Front-Access Interaction: Built-in Camera, Speakers, and Hot Keys (Vol/Bri/Power) for easy control after mounting.

» Pro-Grade Touch: Advanced PCAP touch optimized for precision with industrial gloves or wet hands.

» Full-Size Portfolio: From 12.1"" to 31.5"" with a unified aesthetic, fitting everything from HMI to dashboards.

» Industrial Ruggedness: IP65 front panel and 10V~28V DC input for lasting stability in mission-critical applications.

## Specifications

| | |
|---|---|
| System | |
| CPU | Intel® Core™ Ultra processors (Series 1) |
| | Intel® Core™ Ultra 7 Processor 155U |
| | Intel® Core™ Ultra 5 Processor 125U |
| On-board Memory | Two 262-pin 5600 MT/s dual-channel DDR5 SO-DIMM (16GB pre-installed) (up to 96GB) |
| Storage | 1 x Onboard NVMe (optional,MOQ required) |
| I/O Interface | |
| Ethernet | LAN1: Intel® I226LM 2.5GbE controller |
| | LAN2: Intel® I226V 2.5GbE controller |
| Expansion | 1 x 2230 E-key (PCIe Gen3 x 1 / USB2.0) |
| | 1 x 2280 M-key (PCIe Gen4 x 4) |
| | 1 x 3042/3052 B-key (PCIe Gen3 x 1 / USB3.2 Gen1 / USB2.0) |
| | 1 x On-board SIM card socket (hinge type) for M.2 B key |
| I/O Ports and Switches | 1 x HDMI 1.4 (4K@30) |
| | 1 x USB Type-C (USB3.2 Gen2 & Display port) |
| | 2 x RS232/422/485 (DB9) |
| | 3 x USB 3.2 Gen2 Type-A |
| | 2 x USB2.0 Type-A |
| | 1 x 3-pin terminal block |
| | 1 x Power button |
| | 1 x ATX Switch |
| | 1 x Clear CMOS |
| Power | |
| Input | 10-28V DC |
| Environment | |
| Operating Temperature | -20°C ~ 50°C |
| Safety & EMC | CE, FCC |
| Humidity | 10% to 90%@40°C (non-condensing) (50%@50°C) |
| Storage Temperature | -20°C ~ 70°C |

| | |
|---|---|
| IP Level | IP 65 compliant front panel |
| Physical Characteristics | |
| Color | Black |
| Mounting | Panel Mount, Rack Mount, VESA 100 x 100 |
| Dimensions (LxWxH) (mm) | 353.80 x 287.10 x 57.10 |
| LCD | |
| Size | 15" |
| Resolution | 1024 x 768(4:3) |
| Brightness (cd/m2) | 400 |
| Contrast Ratio | 2500: 1 |
| LCD Color | 16.7M |
| Viewing Angle (H-V) | 176°/176° |
| Backlight MTBF | 70000 |
| Touch | |
| Touch Screen | PCAP with USB interface (anti-UV/AG coating) |
| Touch Controller | Capacitive: ilitek ILI2521 |
| Other Features | |
| Audio | 1 x Mic |
| | 1 x Line-out |
| | 2 x internal 2W speaker |
| Camera | 720P Wide Angle Fixed Focus |
| Function Key | |
| Function Key | 5-key Hot Key |

## Ordering Information

| | |
|---|---|
| AURA-150-MTL-U7AD-R10 | 15" 400 cd/m² 1024 x 768 Panel PC with Intel® Core™ Ultra 7 155U Processor (12M Cache, up to 4.80 GHz), TDP 15W, 16GB DDR5, black, 10-28V DC input, PCAP touch, with Camera & speaker & hotkeys, R10 |
| AURA-150-MTL-U5AD-R10 | 15" 400 cd/m² 1024 x 768 Panel PC with Intel® Core™ Ultra 5 125U Processor (12M Cache, up to 4.30 GHz), TDP 15W, 16GB DDR5, black, 10-28V DC input, PCAP touch, with Camera & speaker & hotkeys, R10 |

## Packing List

| | |
|---|---|
| 1 x Panel Mount Kit | 1 x 3-pin Terminal block plugs |
| 1 x Screw pack | 1 x QIG |