# AURA-W215-RK3576

IEI's New generation industrial Panel PC

## Features

» IP65-rated front panel with robust aluminum bezel for harsh industrial environments

» Flat-bezel PCAP touch with anti-glare / anti-UV coating for clear visibility in bright areas

» Rockchip RK3576 octa-core SoC with 6 TOPS NPU for edge AI acceleration

» Front-panel hard keys (hotkeys) for quick access to essential controls

» PCAP touch with glove-friendly operation

» Front-facing speakers & integrated camera options, ideal for HMI and vision-assisted applications

» Rich I/O & wide-range power input (10–28V DC) for industrial integration

## Specifications

| | |
|---|---|
| System | |
| CPU | Rockchip RK3576 (Quad Cortex-A72 and quad Cortex-A53, 6 TOPS NPU) |
| On-board Memory | Onboard 8GB LPDDR5 memory, up to 16GB |
| Storage | Onboard 64GB eMMC |
| | 1 x SD Slot |
| I/O Interface | |
| Ethernet | 2 x RJ45 By YT8531 |
| Audio | 1 x Mic in & Line out |
| | 2 x internal 2W speaker |
| Expansion | 1 x board to board connector (Only supports IEI wireless modules) |
| | 1 x 3042/52/80 B-key (PCIe Gen2 x1,USB2.0) |
| | 1 x On-board SIM card socket (hinge type) for M.2 B key |
| I/O Ports | 2 x RS232 & 2 x 485 By 1 x DB9 |
| | 1 x USB Type-C (USB 3.2 Gen1 + Displayport Alt Mode ) |
| | 3 x USB 2.0 Type-A |
| | 1 x USB 3.2 Gen1 Type-A |
| | 2 x CAN2.0 (6-pin terminal block) |
| | 1 x Power button |
| | 1 x Reset button |
| | 1 x System LED (Orange) |
| Power | |
| Input | 1 x 2-pin terminal block (10-28V DC) |
| Power consumption | 12V@2.2A (Rockchip® RK3576 with 8GB Memory, 64G eMMC, Debian OS) |
| Environment | |
| Operating Temperature | 10°C ~ 50°C |
| Operating Vibration | MIL-STD-810H 514.8C-I with SSD |
| Operating Shock | IEC60068-2-27 half-sine, 5G, 11ms, 100 shocks with SSD |
| Safety & EMC | CE/FCC |
| Humidity | 10% to 95%@40°C (non-condensing) ( 50%@60°C ) |
| Storage Temperature | -20°C ~ 60°C |
| IP Level | IP 65 compliant front panel |
| Physical Characteristics | |

| | |
|---|---|
| Color | Black |
| Mounting | Panel Mount, Rack Mount, VESA 100 |
| Dimensions (LxWxH) (mm) | 519.40 x 327 x 51.20 |
| Net Weight | 5.69kg / 8.4kg |
| Construction | Aluminum front frame and sheet metal rear cover |
| Cutout Dimensions | 501 x 302 |
| LCD | |
| Size | 21.5” (16:9) |
| Resolution | 1920 x 1080 |
| Brightness (cd/m2) | 350 |
| Contrast Ratio | 1000:1 |
| LCD Color | 16.7M |
| Viewing Angle (H-V) | 178° / 178° |
| Backlight MTBF | 50000 hrs |
| Touch | |
| Touch Screen | PCAP with USB interface (anti-UV/AG coating) |
| Touch Controller | Capacitive: Litek |
| Other Features | |
| Camera | 720P Wide Angle Fixed Focus |
| Function Key | |
| Function Key | 5-key Hot Key |
| OS Compatible | |
| OS Compatible | Android / Debian |

## Ordering Information

| | |
|---|---|
| AURA-W215-RK3576-CFD-R10 | 21.5" 350 cd/m² 1920x1080 Panel PC with Rockchip RK3576, 8GB LPDDR5, 64GB eMMC, 2xRJ45, CAN, COM, USB Type-C, black, 10-28V DC input, PCAP touch, Debian 12, R10 |
| AURA-W215-RK3576-CFA-R10 | 21.5" 350 cd/m2 1920x1080 Panel PC with Rockchip RK3576, 8GB LPDDR5, 64GB eMMC, 2xRJ45, CAN, COM, USB Type-C, black, 10-28V DC input, PCAP touch, Android 14, R10 |

## Packing List

| | |
|---|---|
| 11 x Panel Mount Kit | 1 x Terminal block plugs (1x2pin) |
| 1 x Terminal block plugs (2x3pin) | 1 x Screw kit (for installation) |