



SUPER
RTC

EDID
Emulator

SYSTEM DATA
Record

HDMI
Cable detection

REMOTE
Control



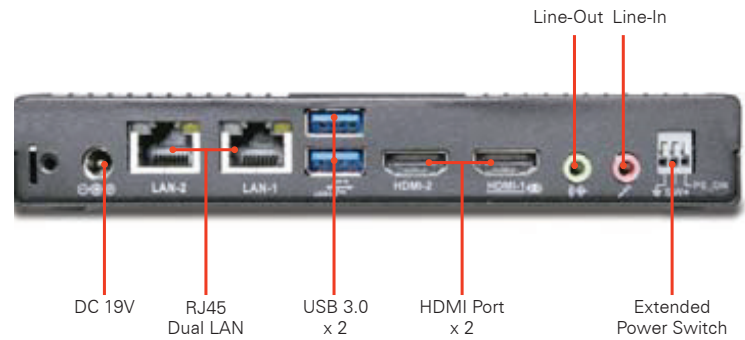
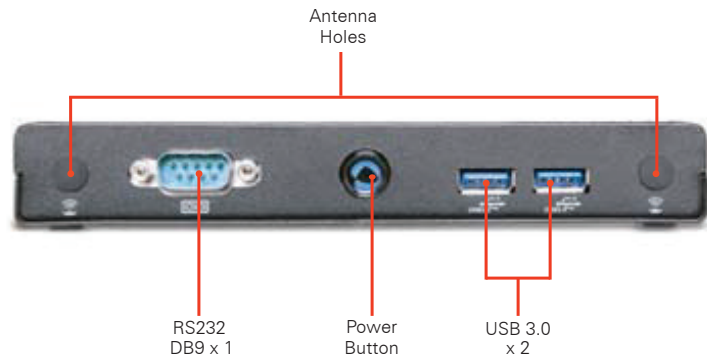
Cost effective UHD (4k) Media Player with AiCU **DE3450**

A value range device based on the reliable Intel® Quad Core Apollo Lake® Processor J3455, which is capable of running UHD playback. The DE3450 supports two Ultra HD (4K) resolution displays and HEVC/H.265 10 bit high-definition video playback. The solid-state disk and fanless design of this player ensure a first rate of performance in any challenging situation.

Features include:

- + Including the AOPEN intelligent Control Unit (**AiCU**)
- + Supports Ultra HD (4K@60p) resolution and HEVC/H.265 & VP9 high-definition video playback
- + Dual Giga LAN and Dual Wifi antenna makes it a perfect solution for IOT gateway applications.
- + Two HDMI ports (1x 2.0)
- + Support TPM2.0, the use of validated encryption key brings extra security to your device
- + Watchdog timer for device monitoring and control

DE3450



| Model Name | | | DE3450 | | | |
|-----------------------|-------------------------------------|---------------------|---|-----|--|--|
| Form Factor | | | Fanless & Non-venting hole design | | | |
| Dimension | W x H x D (mm) | | 166 x 25 x 158 mm | | | |
| | W x H x D (inch) | | 6.54 x 0.98 x 6.22 inch | | | |
| Volume | | | 0.65 L | | | |
| Single Pack Weight | N.W. | | 0.8 kg/ 1.76 lb | | | |
| | G.W. | | 1.5 kg/ 3.31 lb | | | |
| CPU | Socket | | CPU on board | | | |
| | Type | | Support Intel Apollo lake D Quad Core J3455 (TDP>=10W), | | | |
| Chipset | | | CPU Build-in | | | |
| Memory | | | Dual Channel, DDR3L SO-DIMM x 2, 1866 MHz, up to 8GB | | | |
| Graphics | Chip | | Intel HD Graphics 500 | | | |
| Expansion Slot | | | M.2 2242 x 1 (key B for SSD) M.2 2230 x 1 (key E for WIFI) | | | |
| Audio | Type | | Realtek HD Audio ALC269Q | | | |
| | Channel | | Stereo | | | |
| LAN | | | Realtek Gigabit Ethernet RTL8111H x 2 | | | |
| | | | 10/100/1000Mbps | | | |
| Storage Bay | | | M.2 SSD | | | |
| Front Panel IO | USB 2.0 Port | | - | | | |
| | USB3.0 Port | | x 2 | | | |
| | Others | | RS232 DB9 x 1/ Antenna Hole x 2 | | | |
| Rear Panel IO | DC Jack | | x 1 | | | |
| | HDMI Port | | x 2 (HDMI2.0 x 1 / HDMI1.4b x 1) | | | |
| | DisplayPort | | - | | | |
| | USB 2.0 Port | | - | | | |
| | USB 3.0 Port | | x 2 | | | |
| | eSATA Port | | - | | | |
| | RJ45 LAN Port | | x 2 | | | |
| | Legacy RS232 Serial Port (COM Port) | | - | | | |
| | Audio set | Line-Out | | x 1 | | |
| | | Mic-In | | x 1 | | |
| | Upgrade for Antenna Port | | - | | | |
| | Kensington Security Slot | | - | | | |
| Others | | Extend Power SW x 1 | | | | |
| On Board I/O | | | Internal USB2.0 pin head x 2, SATA (FCC type) connector x 1 | | | |
| Adapter | | | 40W (19V, 2.1A) AC Adapter | | | |
| WatchDog Timer | | | 1 ~ 255 SEC./ min | | | |
| Input Voltage | | | AC 100 ~ 240V | | | |
| Environment | | | | | | |
| MTBF | | | 50,000hrs | | | |
| Operating Temperature | | | 0 ~45°C (32 ~ 113°F) | | | |
| Storage Temperature | | | -20 ~ 60°C (-4 ~ 140°F) | | | |
| Relative Humidity | | | 95% RH (45°C non-Condensing) | | | |

*Accessories available on demand

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