AOPEN
Bright Ideas Connected

Digital Engine®

SUPER
RTC

EDID
Emulator

SYSTEM DATA
Record

HDMI
Cable detection

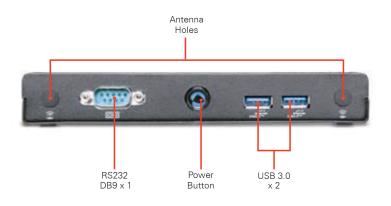**REMOTE**
Control

AiCU
AOPEN INTELLIGENT CONTROL UNIT

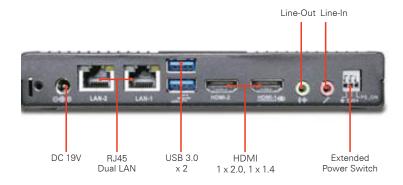# Cost effective UHD (4k) Media Player with AiCU
DE3450

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 Ultra HD (4K) resolution 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, 1x 1.4)
+ Support TPM2.0, the use of validated encryption key brings extra security to your device
+ Watchdog timer for device monitoring and control

DE3450

Antenna Holes

Line-Out Line-In

RS232
DB9 x 1

Power
Button

USB 3.0
x 2

DC 19V

RJ45
Dual LAN

USB 3.0
x 2

HDMI
1 x 2.0, 1 x 1.4

Extended
Power Switch

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 ~45ºC (32 ~ 113ºF)
Storage Temperature	-20 ~ 60ºC (-4 ~ 140ºF)
Relative Humidity	95% RH (45ºC non-Condensing)

*Accessories available on demand

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Supports: CPU:

intel inside™ CELERON®

AiCU
AOPEN INTELLIGENT CONTROL UNIT

FANLESS

CPU   GFX   HW DEC