



AOPEN

Bright Ideas Connected

Digital Engine®



Powerful Media Player DE5500

The Digital Engine DE5500 is supported by the 7th generation Intel® Core (available in i3, i5 and i7). It consumes little power due to the of this mobile processor. It supports a DDR4 dual channel memory with a maximum capacity of 32GB. The standard Digital Engine small form factor can easily be integrated into a kiosk or behind a screen for a digital signage application. Furthermore, the latest AOPEN intelligent Control Unit (AiCU) is optional. This feature provides an easy management tool that can monitor and control the device.

The DE5500 features:

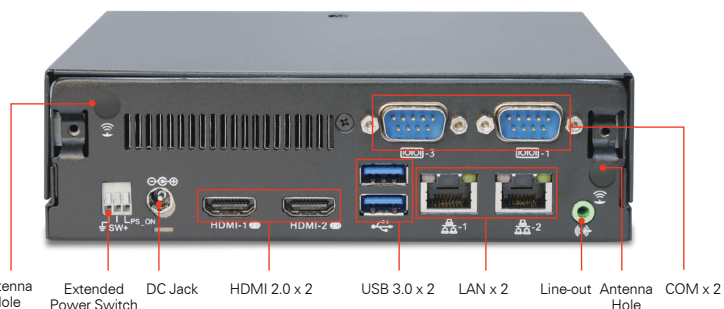
- + Supports two 4K2K UHD resolution (3840x2160@60Hz) displays
- + Supports HEVC/H.265 & VP9 high-definition video playback
- + Powerful computing, low power consumption
- + Various I/O connectivity: dual Giga LAN & 4 x USB3.0 & 1 x DB9 RS232
- + Support AOPEN AiCU technology

DE5500



USB 3.0 x 2

Power Button



Antenna Hole

Extended Power Switch

DC Jack

HDMI 2.0 x 2

USB 3.0 x 2

LAN x 2

Line-out

Antenna Hole

COM x 2

Model name		DE5500
Dimension	W x H x D (mm)	166 x 48 x 157.5 mm
	W x H x D (inch)	6.54 x 1.89 x 6.18 inch
Volume		1.25L
Weight		1.12 kgs/2.46 lbs
CPU	Socket	CPU on board
	Type	Intel 7th Gen Kaby Lake U TDP ≤15W/28W
Chipset		-
AiCU		1.0 (option)
Memory	Channel	Dual Channel
	Type	DDR4 SO-DIMM 2133 x 2
	Data rate	2133
	Max Memory	32G (based on OS support)
Graphics	Chip	Intel HD Graphics 610/620 , Iris Plus 640/650
Expansion slot		M.2 2242 x 2 M.2 2230 x 1
Audio	Type	Realtek HD Audio ALC269Q
	Channel	Stereo
LAN		Intel GIGA LAN x 2 (i210AT/i219LM) 10/100/1000 Mbps
Storage Bay	2.5" SATA HDD	x 1
	M.2 SSD	x 1

Front Panel I/O	USB 2.0 Port	-	
	USB 3.0 Port	x 2	
	Others	Power Button x 1	
Rear Panel I/O	DC Jack	12/19V, 5517 x 1	
	HDMI 2.0 Port	x 2	
	USB 2.0 Port	-	
	USB 3.0 Port	x 2	
	eSATA Port	-	
	RJ 45 LAN Jack	x 2	
	Display Port	-	
	Audio Set	Line-out	x 1
		Mic-in	-
	Antenna Holes	x 2	
	Kensington Lock Hole	-	
	COM Port	RS232 x 2	
	Others	Extend power SW x 1	
CPU Thermal Module	AOpen Thermal Module		
WatchDog Timer	1 ~ 255 SEC./min		
Adapter	65W (19V, 3.424A) AC Adapter		
Input Voltage	AC 100 ~ 240V		

Environment	
MTBF	50,000hrs
Operating Temperature	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)
Relative Humidity	95% RH (non-Condensing)

Supports:

