

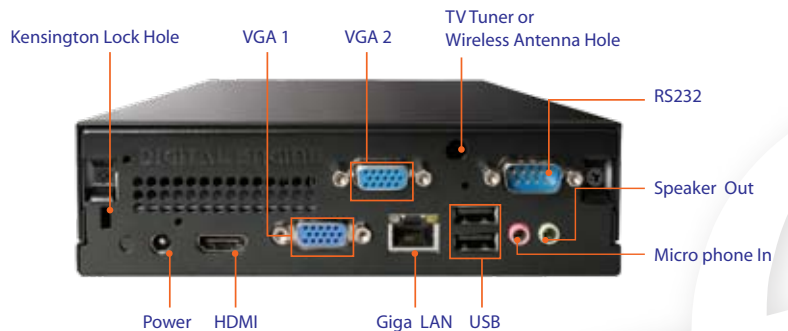
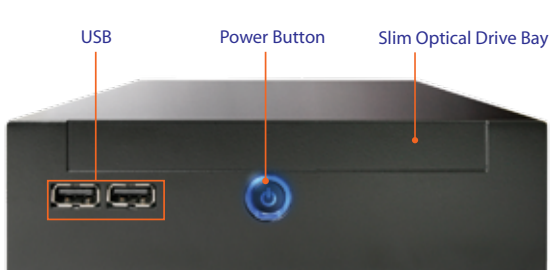
# MÖDT

Digital Signage Media Player

## DIGITALENGINE

### DE45-HG / DE45-PRO

- Highly performance Full HD 1080p content playback
- Supports dual display with HDMI and dual VGA video outputs
- Low noise and low power consumption
- Highly compact size, 166mm x 157mm x 48mm
- Supports Socket P Intel® Core™ 2 Duo (Penryn) / Celeron™ M CPU
- Intel® GM45+ICH9M chipset
- Supports Microsoft® DirectX™ 10 with on-die GMA X4500MHD graphics engine
- Supports Dual Channel DDR-II 667/800 MHz up to 4GB
- Provides Giga LAN, USB 2.0 (Front x2, Rear x2) Ports
- Provides RS232 serial port
- Supports one 2.5" S-ATA HDD and one slim optical drive
- Power in DC 12V/20V
- Provides mini Card slot
- Tough, Shock-Absorbent Frame
- Supports Wireless Antenna



HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

HDCP™ HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION



## TITANONE

### Digital Signage Whole in 1 Management System

Universal mount solution for displays and Digital Engines, which are protected inside a locked embedded compartment. Cable management solution also included.



## ENGINECORE

### 4U Rack for Six Digital Engines

Consolidate six Digital Engines with the Engine Core - an innovative central control solution for networked environments. Enhances security, monitoring and protection from data loss via a hardware-centric approach.

Also provides a green IT, easy-maintenance solution for cluster (parallel) computing.

## DE45-HG/DE45-PRO Specifications

Model name		DE45-HG	DE45-PRO	Product Specification	
<b>Product SKU</b>					
Territory		Worldwide	Europe	Audio	
Part Number		91.ADE01.I510	91.ADE01.I520	Type	Realtek HD Audio Codec ALC662
EAN/JAN Code		471260-293830-3	471260-293831-0	Channel	Stereo / 5.1 CH with HDMI
<b>Product Specification</b>					
Housing Material		SECC t=0.8mm		LAN	
Housing Color		Black		Intel Gigabit Ethernet	
Dimension	WxHxD(mm)	166(W) x 48(H) x 157(D) mm		10/100/1000	
	WxHxD(inch)	6.54(W) x 1.89(H) x 6.18(D) inch		USB 2.0	
Volume(liters)		1.25L		x 4 (2 (Rear), 2 (Front))	
Weight(Kg/Pound)		1.22 kg / 2.68 pound (N.W.)		Storage	
CPU	Socket	Socket P		ATA Connector	x 1 (for Slim Optical)
	Type	Support Intel Core 2 Duo, Celeron CPU (Santa Rosa & Santa Rosa Refresh)		S-ATA Connector	x 1 (for 2.5" HDD)
	FSB	667/800/1066 MHz		Security	
Chipset	NB	Intel GM45 Chipset		Kensington Lock Hole	
	SB	ICH9M		x 1 (Rear)	
Memory	Dual Channel	Dual Channel		Storage Bay	
	Type	DDRII SO-DIMM x 2		Slot-in Slim ODD Bay	
	DDR	667/800		2.5" SATA II HDD Bay	
	Max Memory	4G(1)		x 1	
Graphics	Chip	Intel GMA X4500MHD		CPU Thermal	
	VGA Port	x 2		Module	
	HDMI Port	x 1		Noise	
Expansion Slot	mini Card Slot	x 1		27dB	
<b>Environment</b>					
WatchDog Timer		1 ~ 255 SEC./ min		MTBF	
Adapter		90W (20V, 4.5A) AC Adapter		40,000hrs	
Input Voltage		AC 100 ~ 240V		Operating Temperature	
				0 ~ 50°C (32 ~ 122°F)	
				Storage Temperature	
				-30 ~ 60°C (-22 ~ 140°F)	
				Relative Humidity	
				95% RH (50°C non-Condensing)	
				Operating Vibration	
				0.5Grms, Random, 10~500Hz, X,Y,Z 3Axes, 0.5hr/Axis	
				Non-Operating Vibration	
				2Grms, Random, 10~300Hz, X,Y,Z 3Axes, 1hr/Axis	
				Operating Shock	
				8G, Half sine, 11 ms duration	
				Non-Operating Shock	
				50G, Half sine, 11 ms duration	

AOpen reserves the right to revise all the specification and information contained in this document, which are subject to change without subject to change without prior notice.

Note (1) : Max. hardware structure. System will not detected to 4GB due to chipset limitation.

## Accessories



Model Name	TV Tuner Kit (ATSC)	TV Tuner Kit (DVB-T)	802.11 b/g Wireless Kit (Black)	Wireless Antenna Kit (Black)
AOpen P/N	90.MA610.0210	90.MA610.0310	90.8EX58.0020	59.8EX01.0010
Module Board	Analog / ATSC TV Yuan Hybrid TV Mini PCI TV Card (Analog TV includes PAL, SECAM, NTSC)	Analog / DVB-T TV Yuan Hybrid TV Mini PCI TV Card (Analog TV includes PAL, SECAM, NTSC)	802.11b/g Wireless LAN mini PCI Wireless Card	No
Driver CD	Yes	Yes	Yes	No
RF Cable	Yes	Yes	Yes	Yes
Antenna	ATSC Antenna	DVB-T Antenna	Yes (Black)	Yes (Black)
Converter	Converter IEC to F	Converter IEC to F	No	No

Model name		DE45-HG	DE45-PRO
Accessory			
90W PWR 20V Adapter	90.MB457.0010	x 1	
Power Cord	US Power Cord	27.04218.18A0	x 1
	EU Power Cord	27.027A0.1830	x 1
DE-SATA V1	55.8E110.X530	x 1	x 1
L Type Holder	60.ADED3.0010	x 1	
Power Clamp	38.23002.0010		x 1
HDMI To DVI Cable 1500mm	50.ADE03.0010		x 1
Screw Bag M3*L5 x 4pcs for HDD	60.ADE01.0110	x 1	
Screw Bag M2*L3 x 7pcs for ODD/Riser card	60.ADE01.0120	x 1	
Screw Bag M3*L5 x 8pcs for L Type Holder	60.ADE01.0130	x 1	
Utilities & Drivers CD	52.ADE01.N110	x 1	
Assembly Guide	49.ADE01.0610	x 1	