MiniPC Industrial AOpen DE45-Pro v.3

Category:	MiniPC Industry
Manufacturer:	AOpen
Supported OS:	Windows XP, Windows Vista
Installed OS:	None
Chipset:	Intel GM45 / ICH9M
CPU Support:	Socket P - Intel Core 2 Duo (Penryn)
Installed CPU:	Intel Pentium Core 2 Duo T7500, 2.2GHz, (cache 4MB)
Installed CPU:	Intel Pentium Core 2 Duo T8600, 2.4GHz, (cache 3MB) 1066Mhz
Graphic Card:	Intel GMA X4500MHD
Memory Support:	2 x SODIMM DDR2, Up to 4GB
Installed Memory:	4GB DDR II
Storage (HDD) Support:	1 x 2,5'' - Up to 750GB
Installed Storage (HDD):	320GB - 2,5'' SATA II
Installed Storage (HDD):	500GB - 2,5'' SATA II
Others:	None
LAN:	10/100/1G Intel GbE LAN controller
Wireless LAN card:	No (Optional Yes)
Rear Panel (ports):	2x USB 2.0, LAN RJ45 (10/100/1G LAN),1 x Audio Jack Stereo (Line In, Line Out), 1 x HDMI (cable to DVI in Box) , 2 x VGA , 1 x COM (RS232)
Front Panel (ports):	2 x USB 2.0
Expansion:	Hybrid TV Tuner DVB-T (analog + digital + FM), , WiFi 802.11 a/b/g/n, Card rider CF, Handles and Adapters
Power:	External AC adapter
CD/DVD Drive:	None
TV Tuner:	No (Optional Yes)
Dimensions:	166mm x 48mm x 157mm

Product from the Archive - production finished

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Terms and Conditions:

- 1. Resistance on damage & small size ...
- 2. Advanced technology ...
- 3. Using & interface ...
- 4. Use ...
- 5. Recapitulation ...
- 6. Accessory in Box ...
- 7. **Energy saving and cost reducing...**

DIGITAL ENGINE the series of products AOpen firm dedicate to industrial use

...

Resistance on damage & small size ...

The AOpen Digital Engine DE45-Pro is a rugged, high performance Intel-based system in a 6.5W x 6.3H x 1.89D footprint that weighs less than 3 pounds.

Environment specifications:

Operating Temperature: -10°C ~ 55°C

Non-Operating Temperature:-30°C ~ 65°C

Humidity: 95% RH(55 non-condensed)

Operating Vibration: 0.45Grms, 10 ~ 500Hz

Non-Operating Vibration: 2Grms, 5 ~ 500Hz

Operating Shock: Half Sine, 8G, 11ms

Non-Operating Shock: Half Sine, 50G, 11ms

Drop test: IEC 60068-2-32

Advenced technology ...

The AOpen MiniPC DE45-Pro line offers Intel-based desktop products with a similar footprint and features an enclosure that balances ergonomics, size and function. Both systems include the Intel GM45 / ICH9M chipset, one Mini PCI slot as well as extensive I/O that includes DVI, S-Video, GB LAN, USB, HD audio and more. The systems have the ability to add up to 4GB of memory as well as a notebook hard drive or flash disk.

Using & interface …

Front Panel :

Rear Panel :

Antena Wi-Fi | TV Tuner-Antena | USB Keyboard Mouse | Printer | Card reader | Machine

Security Lock

90W DC 20V Power Adapter

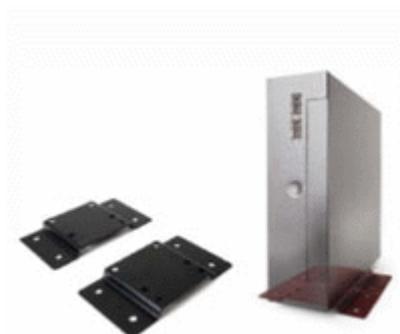HDMI TV | VGA Monitor lub Projektor | DVI Monitor | Internet | PC Microphone | Speaker | PC Earphone
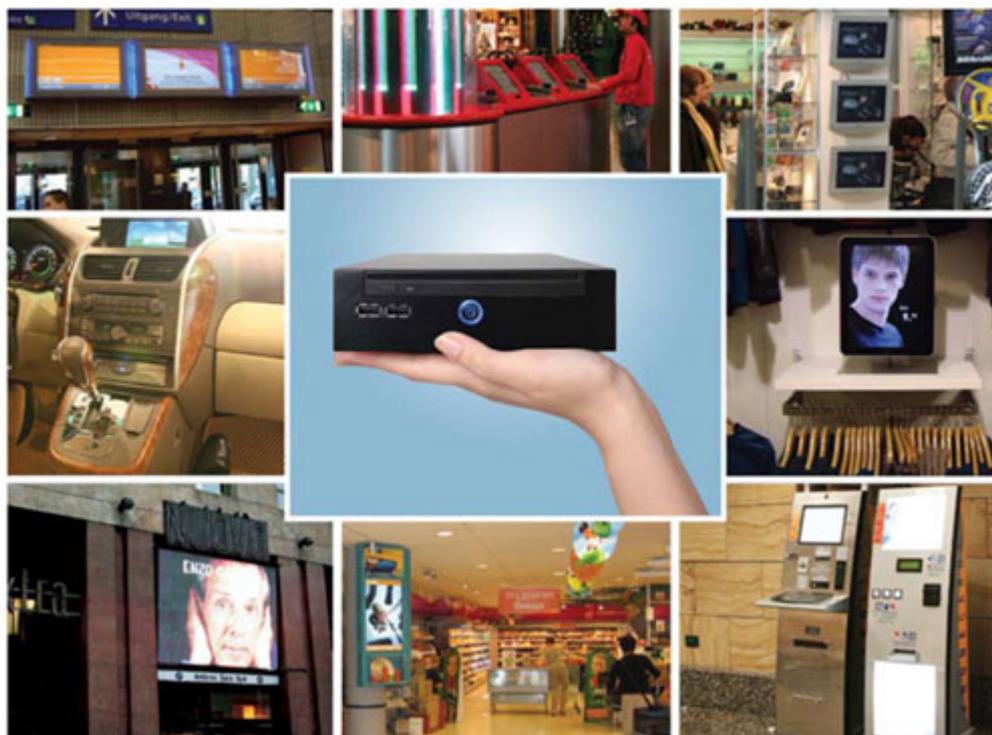
Use ...

For thanks of use optional handles and adapters, it many possibilites to mount Digital Engines - for example: in factory halls, with LCD / LED monitors, hipermarkets, shops, under table top and cars.

Recapitulation ...

AOpen Digital Engine DE45-Pro is a complete solution for Digital Signage, Projector PC, Media Player, and Vehicle PC. AOpen DE45-Pro is a compact system of 1.25L with Intel GM45 Express Chipset supporting Intel socket P Core 2 Duo/Penryn processors. The AOpen DE45-Pro had 40,000 hour MTBF and passed shock and vibration operation tests. It can be installed both vertically and horizontally without having thermal issues. AOpen DE45-Pro adapts mobile CPU, chipset and memory to reduce heat. With less heat, the speed of the fans will drop and create a silent working condition.

Accessory in Box …

Converter board

HDMI to DVI cable

(90Watt) Adapter

Power cord

Energy saving and cost reducing
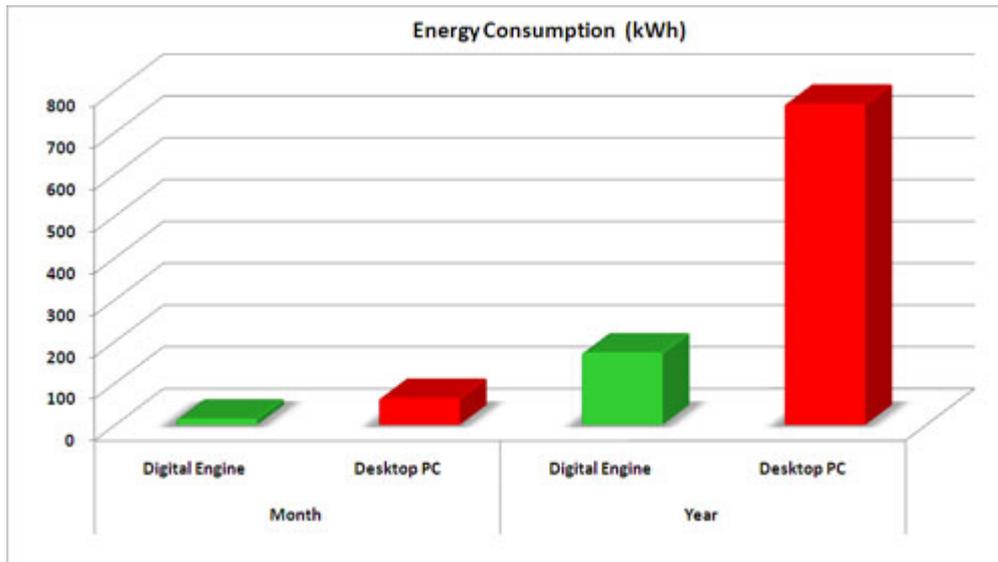
Energy Consumption (kWh)

Energy saving and cost reducing

number of computer	Work Time		Energy Saving
	Day		
	Digital Engine	Standard PC	
	kWh	kWh	kWh
1	0,72	3,20	2,48
10	7,20	32,00	24,80
100	72,00	320,00	248,00
1000	720,00	3200,00	2480,00
5000	3600,00	16000,00	12400,00
number of computer	Month		Energy Saving
	Digital Engine	Standard PC	
	kWh	kWh	kWh
1	14,40	64,00	49,60
10	144,00	640,00	496,00
100	1440,00	6400,00	4960,00
1000	14400,00	64000,00	49600,00
5000	72000,00	320000,00	248000,00
number of computer	Year		Energy Saving
	Digital Engine	Standard PC	
	kWh	kWh	kWh
1	172,80	768,00	595,20
10	1728,00	7680,00	5952,00
100	17280,00	76800,00	59520,00
1000	172800,00	768000,00	595200,00
5000	864000,00	3840000,00	2976000,00