MiniPC Industrial AOpen DE965-Pro v.2

Category:	MiniPC Industry
Manufacturer:	AOpen
Supported OS:	Windows XP, Windows Vista
Installed OS:	None
Chipset:	Intel 965GM / ICH8M
CPU Support:	Socket P - Intel Core 2 Duo
Installed CPU:	Intel Pentium Dual Core E5300
Graphic Card:	Intel GMA X3100MHD
Memory Support:	2 x SODIMM DDR2, Up to 4GB
Installed Memory:	1GB DDR II
Storage (HDD) Support:	1 x 2,5'' - Up to 750GB
Installed Storage (HDD):	160GB - 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

MiniPC Industrial AOpen DE965-Pro

Terms and Conditions:

- 1. Resistance on damage & small size ...
- 2. Advenced 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 DE965-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 DE965-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 965GM / ICH8M 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 :

Power Button

Optical Device Drive (option)

Power indicator

Digital
Camera

Camcorder

Flash
Memory

MP3
Player

Bluetooth
USB Dongle

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
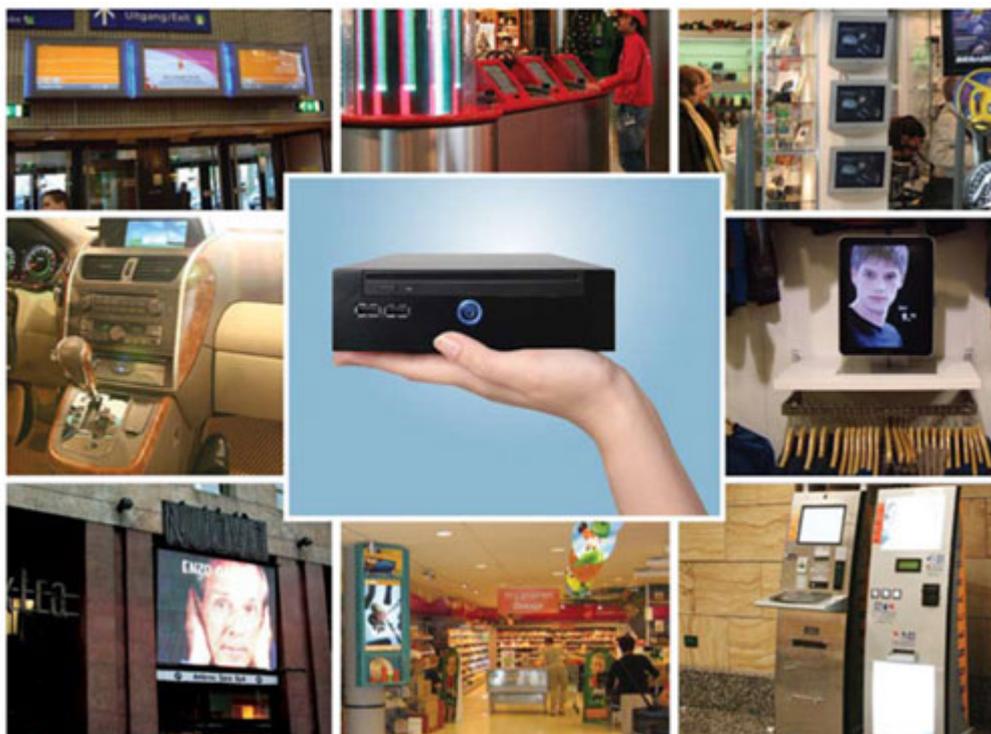
Use ...

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.
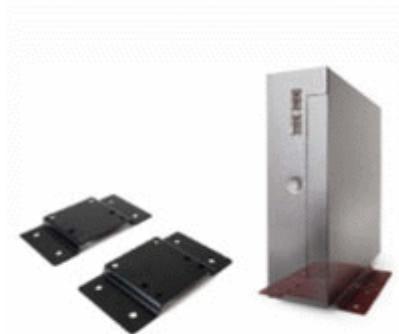
Recapitulation ...

AOpen Digital Engine DE965-Pro is a complete solution for Digital Signage, Projector PC, Media Player, and Vehicle PC. AOpen DE965-Pro is a compact system of 1.25L with Intel 965GM Express Chipset supporting Intel socket P Core 2 Duo processors. The AOpen DE965-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 DE965-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
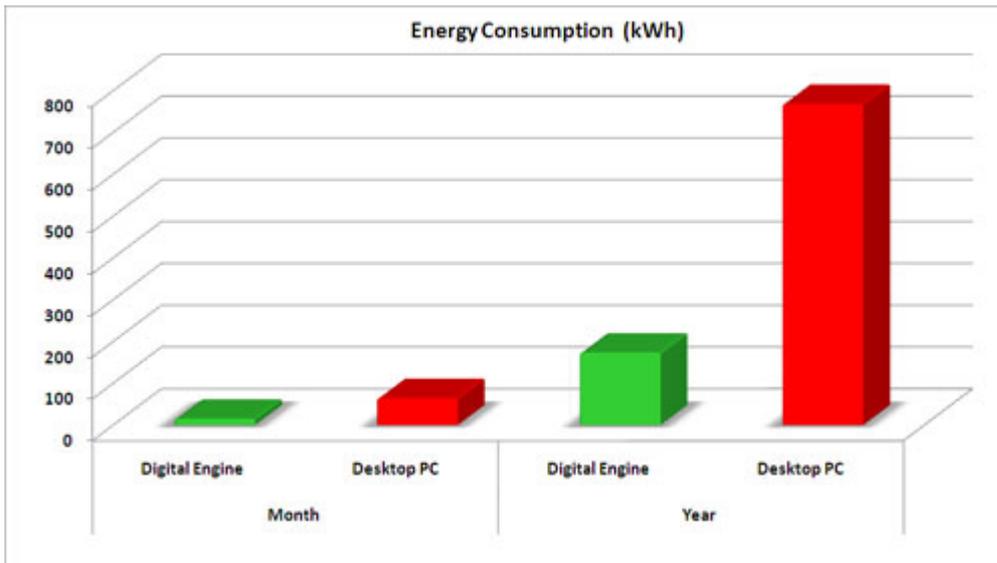
Assumption :
1) computers work after 8 hour daily
2) working 20 days in month
3) working 240 days in year

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