



## MiniPC Industrial AOpen DE965-Pro v.1

<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	AOpen
<b>Supported OS:</b>	Windows XP, Windows Vista
<b>Installed OS:</b>	None
<b>Chipset:</b>	Intel 965GM / ICH8M
<b>CPU Support:</b>	Socket P - Intel Core 2 Duo
<b>Installed CPU:</b>	Intel Pentium Dual Core E5300
<b>Graphic Card:</b>	Intel GMA X3100MHD
<b>Memory Support:</b>	2 x SODIMM DDR2, Up to 4GB
<b>Installed Memory:</b>	1GB DDR II
<b>Storage (HDD) Support:</b>	1 x 2,5" - Up to 750GB
<b>Installed Storage (HDD):</b>	160GB - 2,5" SATA II
<b>Others:</b>	None
<b>LAN:</b>	10/100/1G Intel GbE LAN controller
<b>Wireless LAN card:</b>	No (Optional Yes)
<b>Rear Panel (ports):</b>	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)

<b>Front Panel (ports):</b>	2 x USB 2.0
<b>Expansion:</b>	Hybrid TV Tuner DVB-T (analog + digital + FM), , WiFi 802.11 a/b/g/n, Card rider CF, Handles and Adapters
<b>Power:</b>	External AC adapter
<b>CD/DVD Drive:</b>	None
<b>TV Tuner:</b>	No (Optional Yes)
<b>Dimensions:</b>	166mm x 48mm x 157mm

## Product from the Archive - production finished

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#### [Terms and Conditions:](#)

- 1. Resistance on damage & small size ...
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**DIGITAL ENGINE** the series of products AOOpen firm dedicate to industrial use ...



[Resistance on damage & small size ...](#)

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The AOOpen 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



[Advanced technology ...](#)

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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.



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**Front Panel :**



**Rear Panel :**

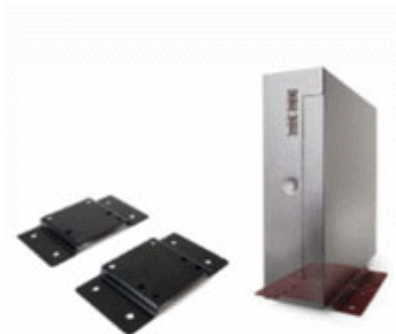
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### Use ...

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.



# Empowered your Applications



## Digital Engine



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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 ...](#)

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Converter board



HDMI to DVI cable



(90Watt) Adapter

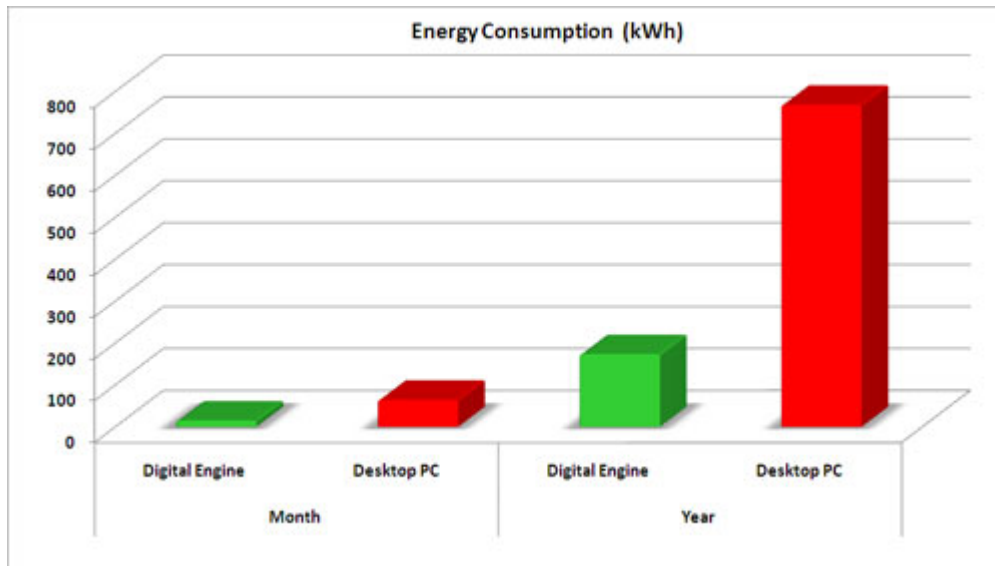


Power cord





**Energy saving and cost reducing**



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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 kWh
	Day		
	Digital Engine kWh	Standard PC 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 kWh
	Day		
	Digital Engine kWh	Standard PC 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 kWh
	Day		
	Digital Engine kWh	Standard PC 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