



MiniPC Industrial AOpen DEX2750 v.2

Category:	MiniPC Industry
Manufacturer:	AOpen
Supported OS:	Windows XP, Windows Vista, 7
Installed OS:	None
Chipset:	Intel 945GSE / ICH7M
CPU Support:	Intel Atom N270
Installed CPU:	Intel Atom N270 1.6GHz
Graphic Card:	Intel GMA 950GSE
Memory Support:	1 x SODIMM DDR II, Up to 2GB
Installed Memory:	1GB DDR2
Storage (HDD) Support:	1 x 2,5" SATAII HDD, Up to 750GB
Installed Storage (HDD):	64GB SSD
Others:	FANLESS Thermal Module
LAN:	10/100/1G Intel GbE LAN controller
Wireless LAN card:	No (Optional Yes)

Rear Panel (ports):	4x USB 2.0, 2x LAN RJ45 (10/100/1G LAN), 1x Audio Jack Stereo (Line In, Line Out), 1x DVI, 2x COM (RS232)
Front Panel (ports):	CF card reader
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:	252 (W)x 42.8 (H) x 165 (D) mm

Product from the Archive - production finished

MiniPC Industrial AOpen DEX2750

Terms and Conditions:

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



DEX2750

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



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

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The AOpen Digital Engine DE45-Pro is a rugged, high performance Intel-based system in a 252 (W)x 42.8 (H) x 165 (D)mm footprint that weighs less than 3,7 pounds.



[Advanced technology ...](#)

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The AOpen MiniPC DEX2750 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 945GSE / ICH7M chipset, one Mini PCI slot as well as extensive I/O that includes DVI, 2x COM(RS232), 2x GB LAN, USB, audio and more. The systems have the ability to add up to 2GB of memory as well as a notebook hard drive or flash disk.



[Using & interface ...](#)

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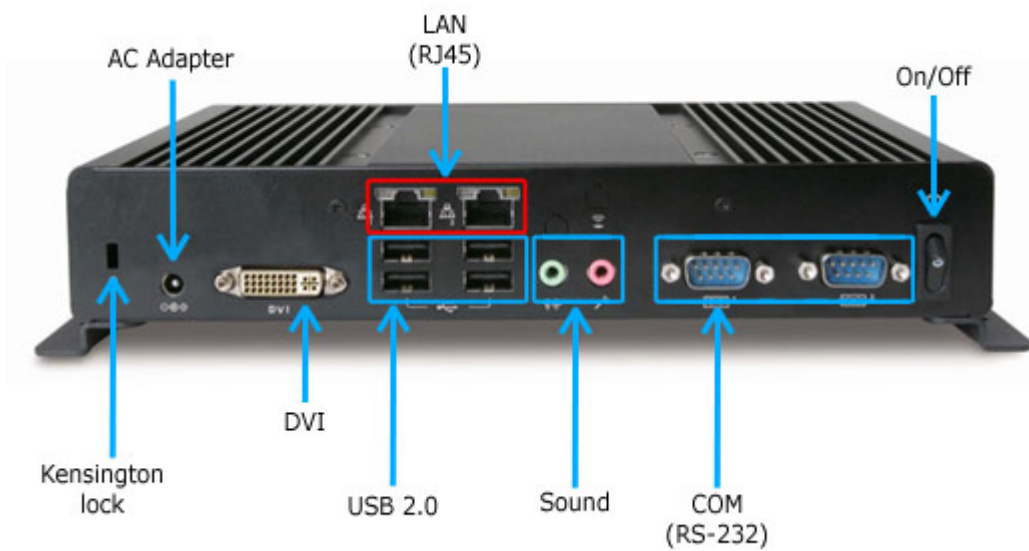
Front Panel :



Rear Panel :

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[Use ...](#)

It many possibilites to mount Digital Engines - for example: in factory halls, with LCD / LED monitors, hipermarkets, shops, under table top and cars.



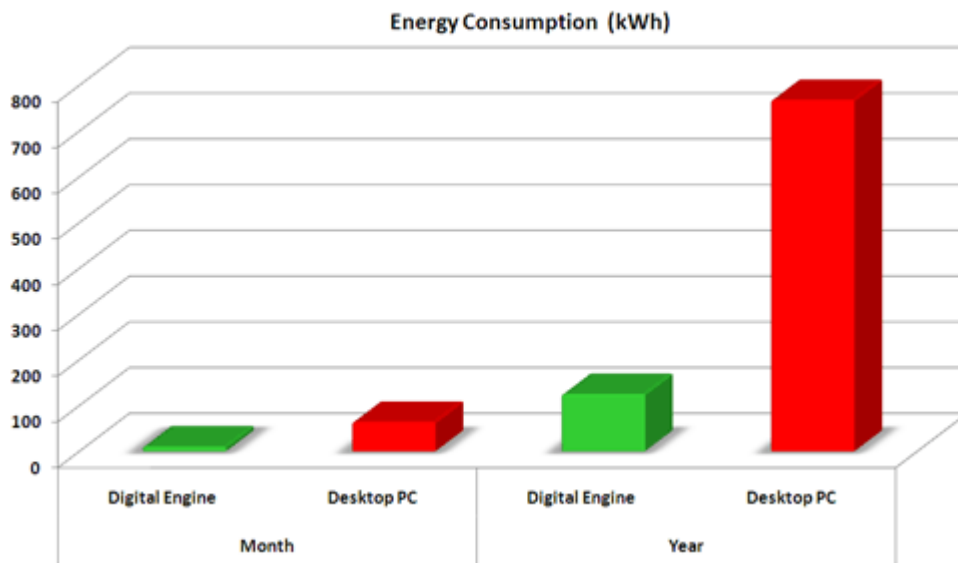
[Recapitulation ...](#)

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AOpen Digital Engine DEX2750 is a complete solution for Digital Signage, Projector PC, Media Player, and Vehicle PC. AOpen DEX2750 is a compact system of 1.75L with Intel 945GSE Express Chipset supporting Intel socket PBGA437 Atom N270 processors. The AOpen DEX2750 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 DEX2750 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.

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	0,52	3,20	2,68
10	5,20	32,00	26,80
100	52,00	320,00	268,00
1000	520,00	3200,00	2680,00
5000	2600,00	16000,00	13400,00
number of computer	Month		Energy Saving kWh
	Month		
	Digital Engine kWh	Standard PC kWh	
1	10,40	64,00	53,60
10	104,00	640,00	536,00
100	1040,00	6400,00	5360,00
1000	10400,00	64000,00	53600,00
5000	52000,00	320000,00	268000,00
number of computer	Year		Energy Saving kWh
	Year		
	Digital Engine kWh	Standard PC kWh	
1	124,80	768,00	643,20
10	1248,00	7680,00	6432,00
100	12480,00	76800,00	64320,00
1000	124800,00	768000,00	643200,00
5000	624000,00	3840000,00	3216000,00