



MiniPC Industrial AOpen DE896-FL v.1

Category:	MiniPC Industry
Manufacturer:	AOpen
Supported OS:	Windows XP, Windows Vista
Installed OS:	None
Chipset:	VIA CN896 / VIA VTB8237S
CPU Support:	VIA 1.5 GHz CZ
Installed CPU:	VIA 1.5 GHz CZ
Graphic Card:	VIA Chrome9 HC DX9 IGP
Memory Support:	1 x SODIMM DDRII, Up to 2GB
Installed Memory:	1GB DDR II
Storage (HDD) Support:	1 x 2,5" SATAII HDD, 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, 1x LAN RJ45 (10/100/1G LAN), 1x Audio Jack Stereo (Line In, Line Out), 1x VGA, 1x COM (RS232), 1x PS2
Front Panel (ports):	2 x USB 2.0
Expansion:	Hybrid TV Tuner DVB-T (analog + digital + FM), WiFi 802.11 a/b/g/n, 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. Advenced technology ...
- 3. Using & interface ...
- 4. Use ...
- 5. Recapitulation ...
- 6. **Energy saving and cost reducing...**



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 DE896-FL 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.

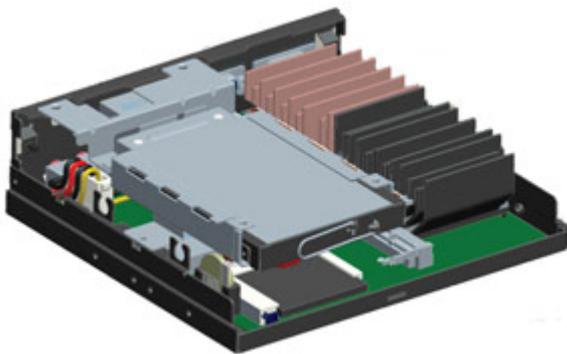


[Advanced technology ...](#)

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The AOpen MiniPC DE896-FL line offers VIA-based desktop products with a similar footprint and features an enclosure that balances ergonomics, size and function. Both systems include the VIA CN896 / VIA VTB8237S chipset, one Mini PCI slot as well as extensive I/O that includes VGA, COM(RS232), GB LAN, 4x 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 :

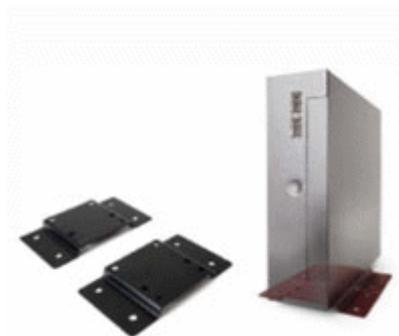
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Use ...

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



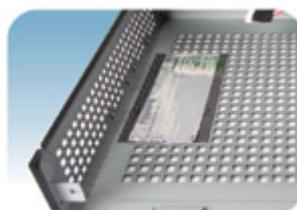
Digital Engine



[Recapitulation ...](#)

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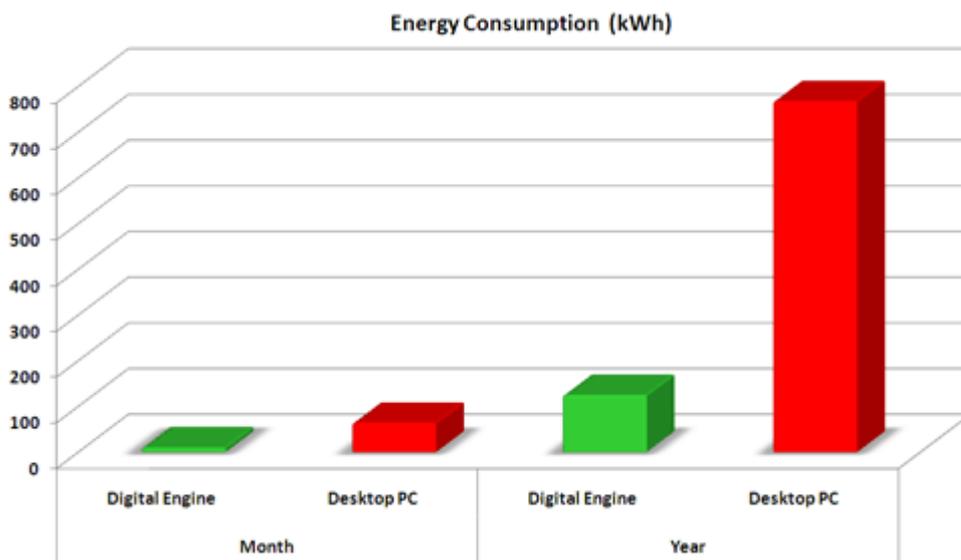
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AOpen Digital Engine DE896-FL is a complete solution for Digital Signage, Projector PC, Media Player, and Vehicle PC. AOpen DE896-FL is a compact system of 1.25L with Intel 945GSE Express Chipset supporting VIA(1500Mhz) processors. The AOpen DE896-FL 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 DE896-FL 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
	Day		
	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
	Day		
	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