



## MiniPC Industrial AOpen DE896-FL v.2

<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>	VIA CN896 / VIA VTB8237S
<b>CPU Support:</b>	VIA 1.5 GHz CZ
<b>Installed CPU:</b>	VIA 1.5 GHz CZ
<b>Graphic Card:</b>	VIA Chrome9 HC DX9 IGP
<b>Memory Support:</b>	1 x SODIMM DDRII, Up to 2GB
<b>Installed Memory:</b>	1GB DDR II
<b>Installed Memory:</b>	2GB DDR II
<b>Storage (HDD) Support:</b>	1 x 2,5" SATAII HDD, Up to 750GB
<b>Installed Storage (HDD):</b>	320GB - 2,5" SATA II
<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, 1x LAN RJ45 (10/100/1G LAN), 1x Audio Jack Stereo (Line In, Line Out), 1x VGA, 1x COM (RS232), 1x PS2
<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, 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

### MiniPC Industrial AOpen DE896-FL v.2

#### 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.

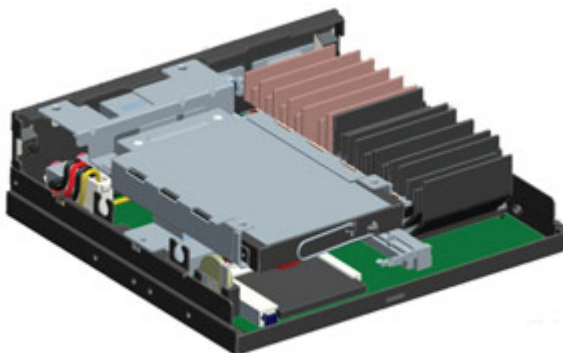


### [Advanced technology ...](#)

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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 :**

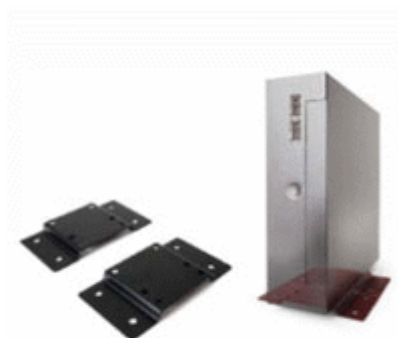
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### Use ...

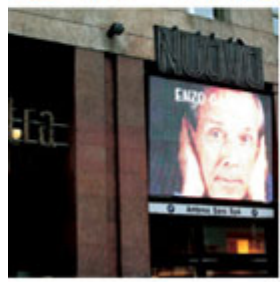
For thanks of use optional handles and adapters, it many possibilites to mount Digital Engines - for example: in factory halls, with LCD / LED monitors, hipermarkets, shops, under table top and cars.



# Empowered your Applications



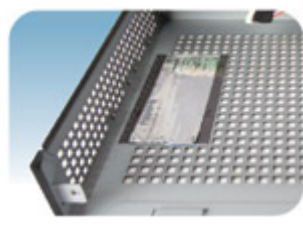
## Digital Engine



[Recapitulation ...](#)

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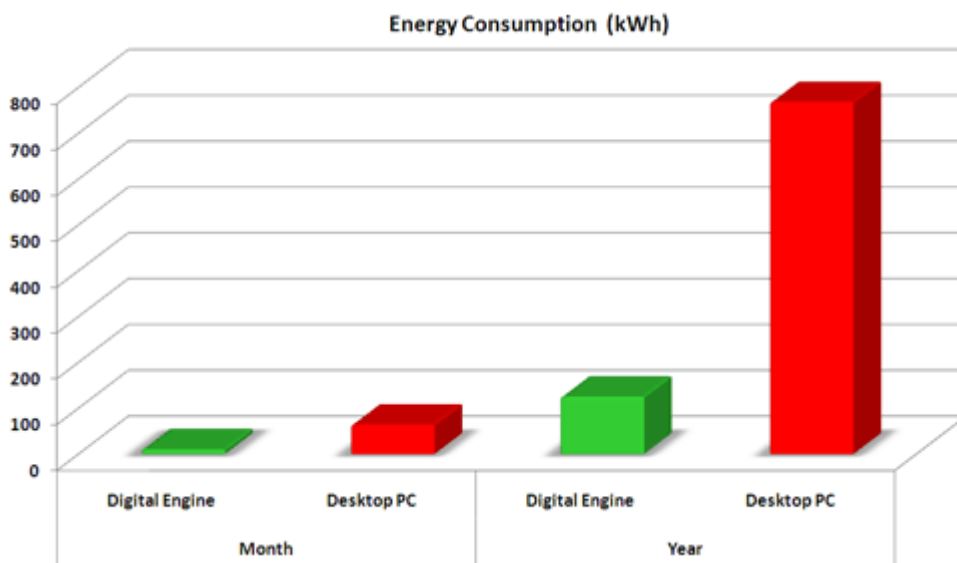
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AOpen Digital Engine DE896-FL is a complete solution for Digital Signage, Projector PC, Media Player, and Vehicle PC. AOpen DE896-FL is a compact system of 1.25L with Intel 945GSE Express Chipset supporting VIA(1500Mhz) processors. The AOpen DE896-FL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