

ENGINE

DE



AOpen MiniPC Industrial DE35-HD v.3



<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	AOpen
<b>Supported OS:</b>	Microsoft Windows: XP/Vista/7 , Linux
<b>Installed OS:</b>	No (Optional Windows 7/Vista/XP)
<b>Chipset:</b>	FCH: Hudson E1 (A55E)
<b>CPU Support:</b>	Socket BGA AMD Dual Core T56N
<b>Installed CPU:</b>	AMD Dual Core T56N (2x1.6GHz)
<b>Graphic Card:</b>	AMD Radeon
<b>Memory Support:</b>	DDR3 SO-DIMM x 2 1066/1333 MHz (do 8 GB)
<b>Installed Memory:</b>	4GB RAM Kingston SODIMM DDR3 1333MHz CL9 (or Samsung)
<b>Storage (HDD) Support:</b>	2.5" SATA II/III HDD do 500GB/ SSD do 128GB
<b>Installed Storage (HDD):</b>	32GB SSD SATA3 Adata SP600S3 2.5"
<b>IP Norm:</b>	-----
<b>Temp:</b>	0 ~ 50°C (32 ~ 122°F)
<b>Storage temperature:</b>	-30 ~ 60°C (-22 ~ 140°F)

<b>Humidity:</b>	90% RH (40 °C non-Condensing)
<b>Others:</b>	Colour Black, Case: Steel
<b>LAN:</b>	Realtek Gigabit Ethernet RTL8111E-VL 10/100/1000
<b>Wireless LAN card:</b>	No (Optional Yes)
<b>3G:</b>	-----
<b>Bluetooth:</b>	-----
<b>Rear Panel (ports):</b>	2x USB 2.0, 2xUSB 3.0,DVI-I, Audio , RJ-45, DC-in Jack, Display Port, RS232,
<b>Front Panel (ports):</b>	2x USB 2.0
<b>Expansion:</b>	WiFi card, HSDPA module,Bluetooth
<b>Power:</b>	65W (19V, 3.42A)
<b>Watch Dog Timer:</b>	1 ~ 255 sec/min
<b>CD/DVD Drive:</b>	-----
<b>TV Tuner:</b>	-----
<b>Dimensions:</b>	166 x 157 x 48 mm
<b>Fanless:</b>	-----
<b>Weight:</b>	1,1kg

## Product from the Archive - production finished

### MiniPC Industrial AOpen DE35-HD

#### 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 extreme products AOpen firm dedicate to industrial use ...



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

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The AOpen Digital Engine DE35-HD is a rugged, high performance Intel-based system in a 166 (W)x 48 (H) x 157 (D)mm footprint that weighs less than 1,1 kg.



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

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Using the latest technology Digital Engine is designed for continuous multi-tasking operating with low power consumption (65W). An important advantage is the effective combination of small size with a significant potential for the use of high-performance processor family AMD Dual core T56N (2x1.6GHz), chipset (Hudson E1-A55E) and expandable DDR3 memory (up to 8GB). Integrated audio-visual application allows you to play (video, audio). Disk space offers available (up to) 500GB HDD or 128GB SSD.



Realtek 10/100/1000 Gigabit Ethernet or WiFi adapter (optional) to connect the device to the network. The computer is equipped with: LAN connector, one COM port (RS232), four USB 2.0 ports, two USB 3.0 ports, DVI-I, one Display Port two audio inputs, and optional WiFi, Bluetooth.



# DDR3

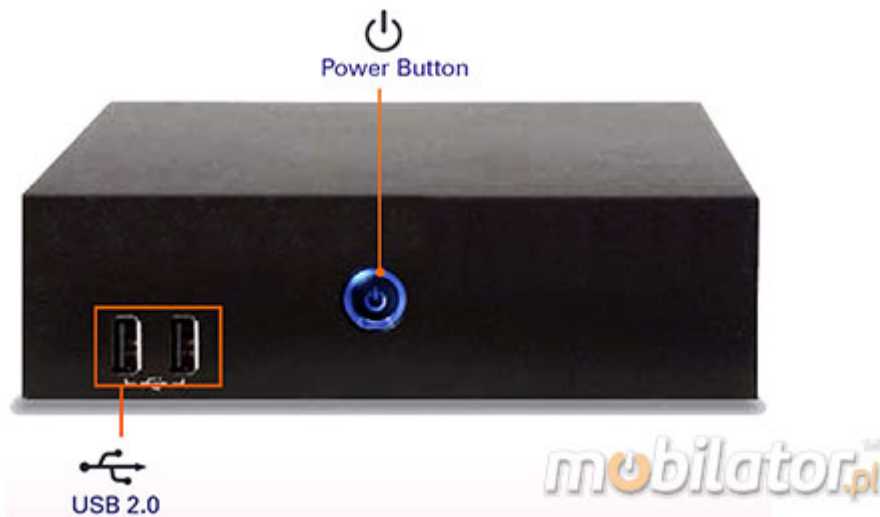
Your system's performance will never disappoint thanks to the latest DDR3 1333/1600MHz system memory providing greater memory bandwidth for performance that will never lag behind. Max up to 8GB!

[Using & interface ...](#)

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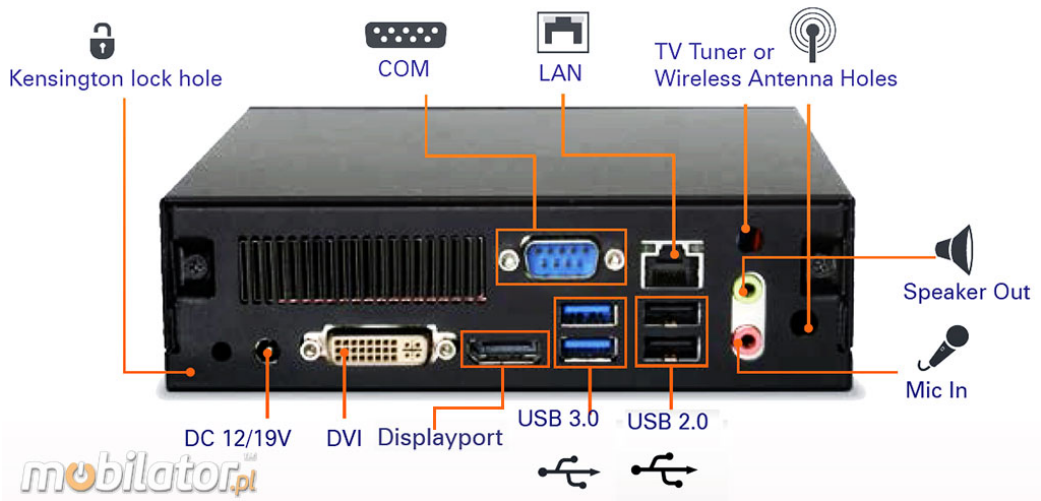
**Front Panel :**



**Rear Panel :**

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### Use ...

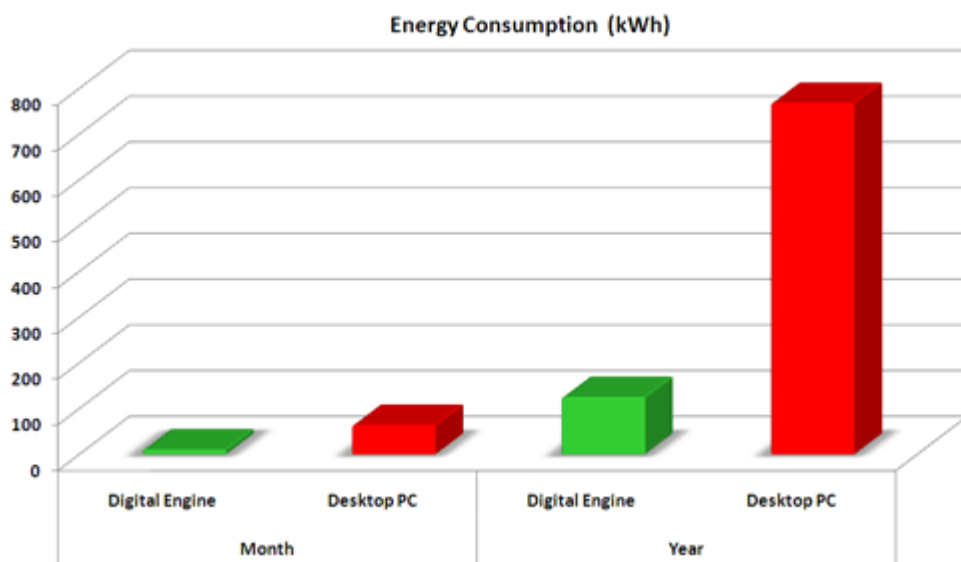
It many possibilites to mount Digital Engines - for example: in factory halls, with LCD / LED monitors, hipermarkets, shops, under table top and cars.



AOpen Digital Engine DE35-HD is rightly regarded as a model of industrial MiniPC for use in outdoor environments. This model is ideal for industry. It's super-efficient, reliable, and no other, and in every respect optimally adapted to the most severe operating conditions. Shock, shock, cold, heat, dust and moisture do not represent any danger for him.



### 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 kWh	Standard PC kWh	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
	Digital Engine kWh	Standard PC kWh	
	kWh	kWh	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
	Digital Engine kWh	Standard PC kWh	
	kWh	kWh	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