

ENGINE

DE



AOpen MiniPC Industrial DE35-HD v.1

Category:	MiniPC Industry
Manufacturer:	AOpen
Supported OS:	Microsoft Windows: XP/Vista/7 , Linux
Installed OS:	No (Optional Windows 7/Vista/XP)
Chipset:	FCH: Hudson E1 (A55E)
CPU Support:	Socket BGA AMD Dual Core T56N
Installed CPU:	AMD Dual Core T56N (2x1.6GHz)
Graphic Card:	AMD Radeon
Memory Support:	DDR3 SO-DIMM x 2 1066/1333 MHz (do 8 GB)
Installed Memory:	4GB RAM Kingston SODIMM DDR3 1066MHz CL7 (or Samsung)
Storage (HDD) Support:	2.5" SATA II/III HDD do 500GB/ SSD do 128GB
Installed Storage (HDD):	320GB HDD 2,5" SATAII 5400 8MB cache
IP Norm:	-----
Temp:	0 ~ 50°C (32 ~ 122°F)
Storage temperature:	-30 ~ 60°C (-22 ~ 140°F)

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

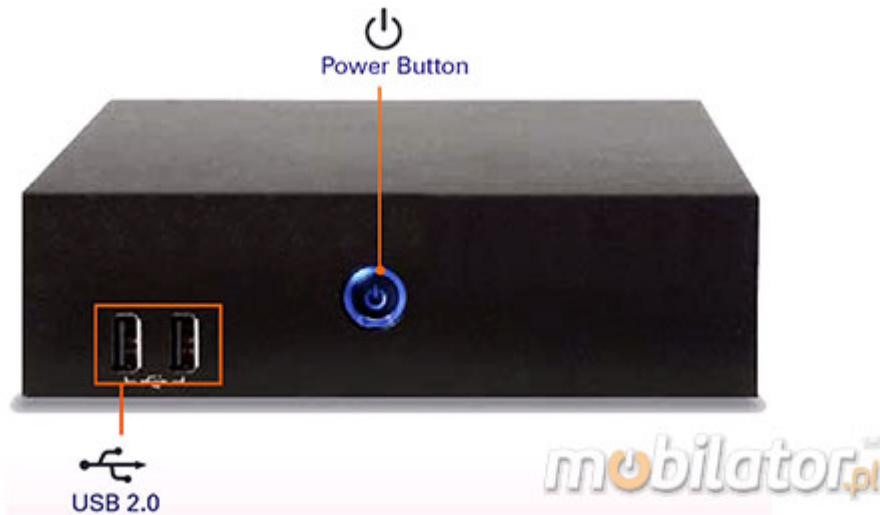
Your system's performance will never disappoint thanks to the latest DDR3 1333/1600MHz system memory providing greater memory bandwidth for performance that will never lag behind. Max up to 8GB!

[Using & interface ...](#)

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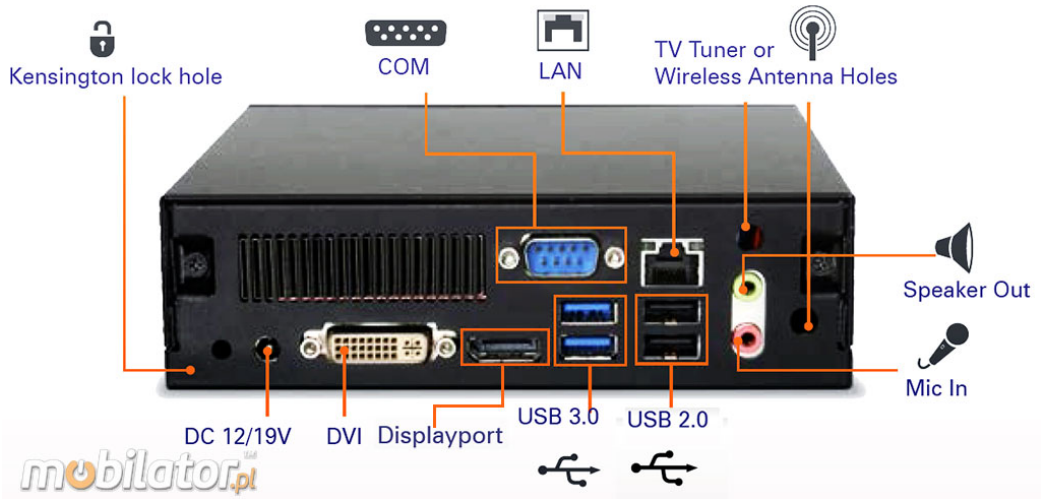
Front Panel :



Rear Panel :

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Use ...

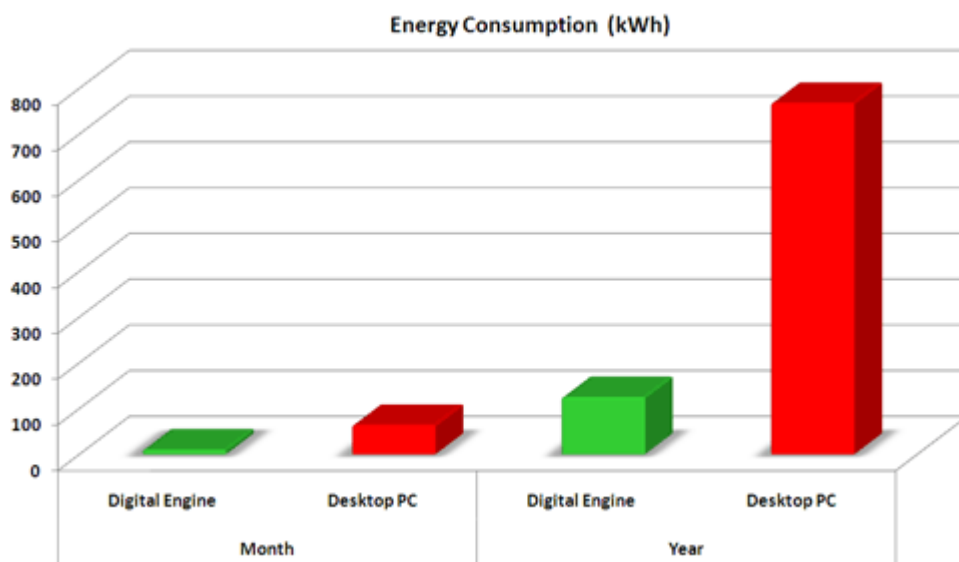
It many possibilites to mount Digital Engines - for example: in factory halls, with LCD / LED monitors, hipermarkets, shops, under table top and cars.



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