



## MiniPC AOpen - MP45 D - Home

<b>Manufacturer:</b>	AOpen
<b>Others:</b>	None
<b>Chipset:</b>	ICH9M
<b>FSB:</b>	1066
<b>CPU Support:</b>	Socket P - Intel Core 2 Duo (Penryn), Celeron M
<b>Installed CPU:</b>	Intel Pentium Core 2 Duo T6500 2,1GHz (cache 2MB)
<b>Memory Support:</b>	2 x SODIMM DDR2, Up to 4GB
<b>Installed Memory:</b>	4GB DDR2 800 Mhz
<b>Graphic Card:</b>	Built In - Intel GM45 (GFX 500 Mhz), HD Playback, Support DirectX 10
<b>Storage (HDD) Support:</b>	1 x 2,5" - Up to 750GB
<b>Installed Storage (HDD):</b>	SATA II 2,5" - 320GB (Cache: 8MB)
<b>CD/DVD Drive:</b>	SATA II Slim DVD Supermulti Slot-in type
<b>LAN:</b>	10/100/1G Intel GbE LAN controller
<b>Wireless LAN card:</b>	Yes 802.11a/b/g/n
<b>TV Tuner:</b>	No (Optional Yes)
<b>Front Panel (ports):</b>	2 x USB 2.0
<b>Rear Panel (ports):</b>	6 x USB 2.0, LAN RJ45 (10/100/1G LAN), 1 x Audio Jack Stereo (Line In, Line Out, Optical Out) /SPDIF via adapter, 1 x DVI (HDMI converter in BOX) , 1 x eSATA,
<b>Power:</b>	External AC adapter

<b>Supported OS:</b>	Windows XP, Windows Vista
<b>Installed OS:</b>	None
<b>Dimensions:</b>	165mm x 165mm x 50mm
<b>Expansion:</b>	Hybrid Tuner TV DVB-T (analog + digital + FM)

**Product from the Archive - production finished**

**Energy saving and cost reducing** - [click detail](#)

**AOpen**<sup>®</sup>

**XC mini**

Standard desktop  
PC



**AOpen**  
MiniPC



**Impressive sizes - compact and cool...**

**MiniPC** from XC series is multimedia center closed in aluminium BOX with super small sizes 165(H)x165(L)x50(W) mm makes it one of the smallest desktop PC system (1.3L in volume) in the world.



### Implemented advanced technology...

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**AOpen XC mini MP45-DR** can help you enjoy sharp quality videos and crystal clear sound. The all new XC mini MP45-DR will provide you with the best experience and the most compact system in the world thanks to its outstanding performance.

### HD entertainment

AOpen MP45-DR equips the next-generation Intel Graphics Media Accelerator X4500MHD, and includes built-in support for full 1080p high-definition video playback. For gaming, the MP45-DR delivers optimized 3D graphics performance and support for Microsoft DirectX 10, Shader Model 4.0 and OpenGL 2.0. Meanwhile, MP45-DR supports 5.1ch surround sound output via Realtek ALC888 chipset. These graphics and sound enhancements ensure the performance and compatibility you need for HD content and gaming.

### Multimedia Enabled

For best multimedia support and enjoyment, MP45-DR equips a Super Multi optical drive and a Microsoft Windows Vista MCE wireless remote controller. For dual display function, a DVI to DVI + VGA Y Cable and a DVI to HDMI adapter are provided. You can connect one display via DVI or HDMI and another display via VGA to establish a dual display environment.



**- Support HDMI Interface (High Definition Multimedia Interface)**

High-Definition Multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams.

- Support HDMI 1.2 Version
- Include Digital Video and Digital Audio Single
- Support Full HD 1080P (1920x1080) resolutions
- Storage up to 750GB
- eSATA interface
- 6 x USB with 2.0 interace



### Connectivity & fun...

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**XC mini MP45-DR** has an option for built-in 802.11b/g/n wireless, Bluetooth, and analog/digital TV modules to fulfill different requirements.

### **- 802.11b/g, 54Mbps wireless LAN PCIe mini Card**

#### - Functional Specifications

- Standard: IEEE802.11b; IEEE 802.11g; IEEE 802.11i
- Bus Interface: PCI Express mini Card
- Security: 64-bit, 128-bit and 152-bit WEP, AES, TKIP, WPA2

### **- MC770A Hybrid TV mini Card (DVB-T and Analogue)**

- MiniCard hybrid DVB-T and Analog TV tuner card
- Watch digital and analog TV in Windows on your MiniPC
- Bring TV function to Media Center Edition 2005
- Free to air digital terrestrial DVB-T receptions (6/7/8 MHz)
- Support High Definition digital TV channel
- Advanced Silicon Tuner for worldwide analog TV receptions
- Interactive , Teletext EPG ,and scheduler



## Using & interface..

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### Front panel:



## Rich connectability

On the rear panel of the MP45-DR there are many I/O ports. They are Line-In/Out Jack, Microphone Jack, USB 2.0, DVI, e-SATA, RJ45 LAN ports and one Kensington Lock Hole corresponding to your different needs. On the front panel, MP45-DR has a Power Button and two USB 2.0 Ports.





Rear Panel - **unlimited possibility to plug in devices:**

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**Power save and silence...**

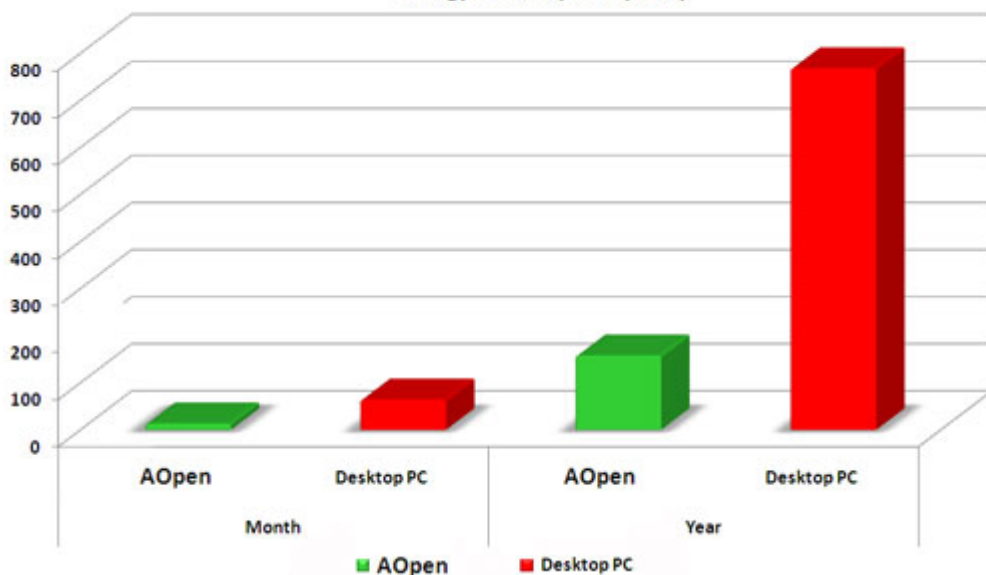
Thanks to use of energy-saving technologies the MiniPC uses many less electric energy, and his culture of work pierces the standard stationary computer many the times. MP45-DR will only cause 27db when operating with AOpen's special designed thermal solution.

### Accessories in Box



### Energy saving and cost reducing

Energy Consumption (kWh)



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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		
	AOpen kWh	Standard PC kWh	
1	0,66	3,20	2,54
10	6,56	32,00	25,44
100	65,60	320,00	254,40
1000	656,00	3200,00	2544,00
5000	3280,00	16000,00	12720,00
number of computer	Month		Energy Saving kWh
	Month		
	AOpen kWh	Standard PC kWh	
1	13,12	64,00	50,88
10	131,20	640,00	508,80
100	1312,00	6400,00	5088,00
1000	13120,00	64000,00	50880,00
5000	65600,00	320000,00	254400,00
number of computer	Year		Energy Saving kWh
	Year		
	AOpen kWh	Standard PC kWh	
1	157,44	768,00	610,56
10	1574,40	7680,00	6105,60
100	15744,00	76800,00	61056,00
1000	157440,00	768000,00	610560,00
5000	787200,00	3840000,00	3052800,00