

AOpen miniPC MP945-VXR with supermulti

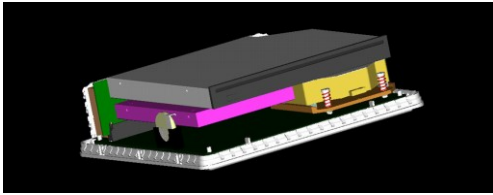
AOpen Inc

AOpen



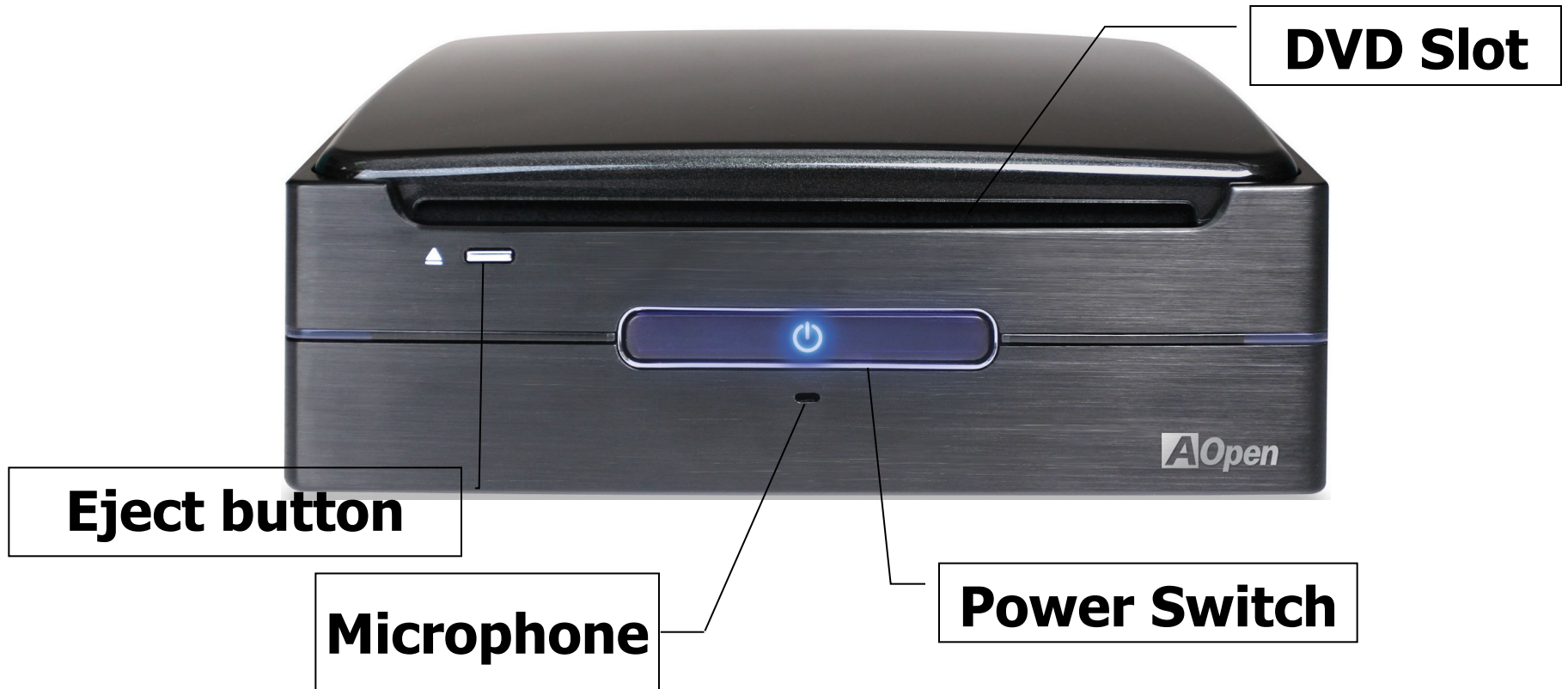
You & Me

Key Messages



- 945GM and Intel® Core™ Duo and Intel® Core 2 Duo
- Small - only 1.36 Liters
 - 165x165x50mm (LxWxH)
 - Easy to Operate
 - Stylish appearance
- **Quiet: Support SilentTek technology, no detectable noise when you enjoy music or video, noise level under 29dB**
- **Saving energy: Support MODT technology, save 40% energy**
- Comfortable – Meet Digital Home Scenario for very comfortable living environment
 - Multi-Video & Audio connector for home, VGA, DVI, Y/Pb/Pr, S-Video, Composite
 - Connected – Both Wire and Wireless LAN (optional), 1394, USB
- Many Choices of accessories
 - 802.11 b/g or 802.11a/b/g Wireless (mini PCI)
 - Remote control and IR receiver
 - Hybrid Tuner card (mini PCI)

Front



Rear panel

802.11b/g antenna

Mixed-S connector for S-Video, RCA, Y/Pb/Pr

IEEE 1394

SPDIF out

Security

DC In

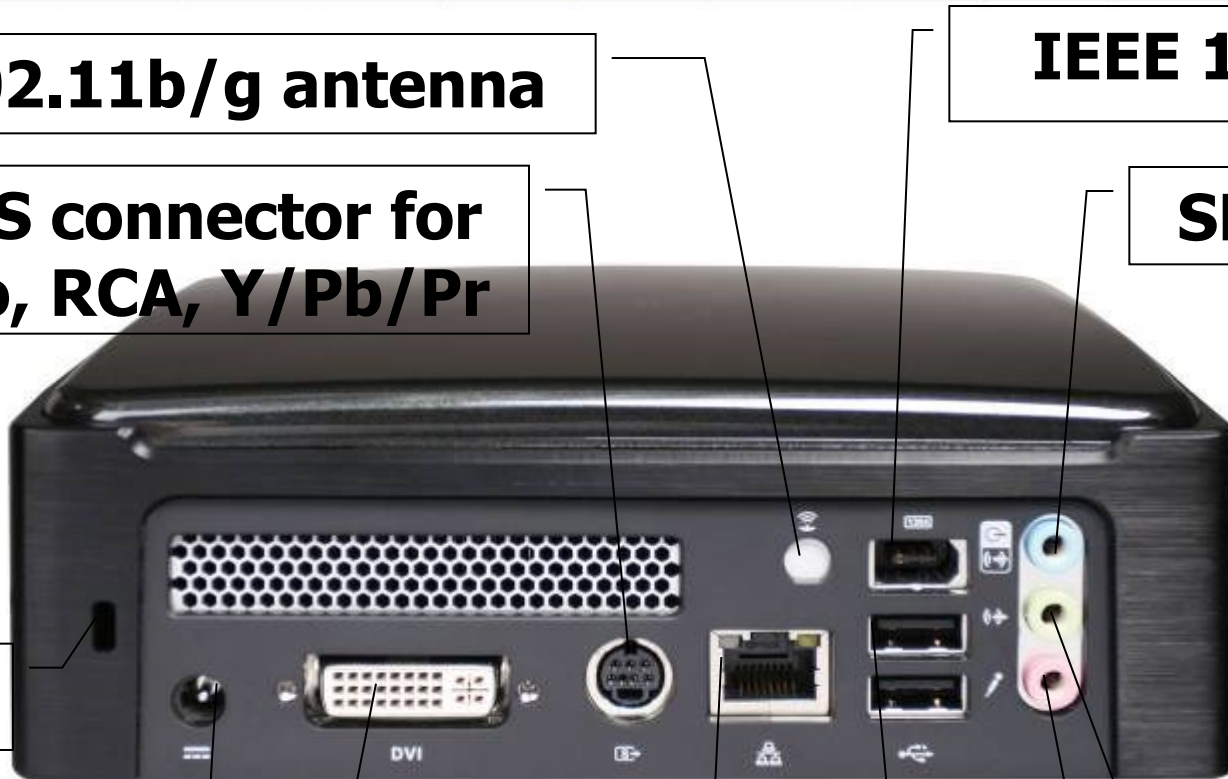
DVI

LAN

Speaker

MIC

USB 2.0 x2



OPS MiniPC945

Model Name : MP945

Product Feature Specifications

❑ INTEL Mobile Platform

- Socket 479 supports
for INTEL Yonah[®] Celeron[®] M CPU 667/533 MHz FSB
(L2 cache on CPU)
- INTEL 945GM + ICH7M with integrated Graphic
- 1slot DDR2 SO DIMM for 667/533 MHz, up to 1G
- AOpen mini Thermal Module
- Slot-in ODD : SuperMulti

❑ Enrich Entertainment I/O

- AC'97 Codec : 5.1 channels audio
- On board I/F : IDE, USB, SATA, mini PCI
- Front panel : Hidden-Mic, Power, slot of ODD
- Rear panel I/F : Microphone, Line_in, Line out/SPDIF out,
USBx2, 1394, RJ45; Composite, Y/Pb/Pr, S-video; DVI,
DC-in
- Fast Ethernet : Gigabit PCIe LAN
- Storage Device Cage : for 1x2.5" HDD

❑ Fruitful Add-On Module

- miniPC RC6 internal module
- miniPC WLAN 802.11b+g (option)



❑ Extra-Slim FORM FACTOR

- miniPC proprietary F/F
- ABS and Aluminum
- 65W, 19V/3.5A Adapter
- Dimension
50 (H) x 165(L) x 165(W) mm
- Volume : 1.36 liters
- Weight : 1.1kg (N.W. of Bare System)

❑ SCHEDULE

- Production New

945GM miniPC Performance

Thermal Results

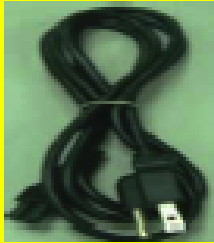
Component	Requirement	Intel TAT 1.7v 100%	3DMark 2003
Processor (31W)	CPU 100 Tj CPU2 100Tj	97C 96C	80C 79C
MCH	105 Tc	74.3C	75.6C
ICH	110 Tc	80.8C	70.2C
Memory	85 Tc	57.6C	65C
HDD	65 Tc	58.7C	55.3C
ODD	50C Ambient	49.1C	47.5C

Acoustic Results

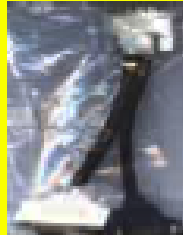
Cooler (rpm)	PSU (rpm)	HDD	Measured (dBA)	Mode
3000	N/A	Idle	28	Idle

Testing system configuration
Intel Yonah 2.16G Core Duo, 945GM,
256MB, slot-in DVD,
60GB 5400rpm SATA HDD

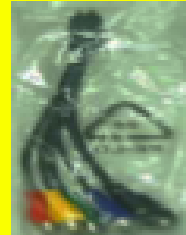
Accessories



Power Cord



Y Cable



C.A MD 7PM TO MD
1PF+RCA FML*4



DC Adapter



CD NTI AOPEN
ROHS



Manual



CD DRIVER
MINIPC MP945



CD POWER DVD
FOR RICAVISION



ADAPTER OPTICAL
P18-Q10-000Z



MPI-SATA Card



Accessory box

Wireless Module (Optional kits)

■ Main chipset

- Baseband / MAC / RF: Atheros AR2413 Power Amplifier: GPLUS GP1214

■ Functional Specifications

- Standard : IEEE802.11b; IEEE 802.11g; IEEE 802.11i
- Bus Interface : MiniPCI Card, TypeIIIB
- Data Rate : 802.11g compliant: 11, 5.5, 2, 1 (DSSS/CCK); 6, 9, 12, 18, 24, 36, 48, 54 (OFDM) Mbps data rates
- Security : 64-bit, 128-bit and 152-bit WEP, AES, TKIP, WPA2
- Operating Voltage : 3.3 V \pm 5% I/O supply voltage
- OS supported : Windows 98SE/ME/2000/XP

■ Mechanical :

- Dimensions (L x W x H): 2.35 x 1.79 x 0.18 in (59.8 x 4.5 mm)
- Weight: 0.46 oz (13 g)



Hybrid Tuner- Life view LR307N (DVB-T & Analog) Optional Kits



* Main IC

- Channel Decoder Philips 7131
- Tuner Philips 8275A
- Demodulator Philips 10046

* Analog TV Tuner

- Cable or air analog TV receiving.
- Worldwide TV standard—NTSC M/N/NJ, PAL BG/DK/I/M/N, SECAM DK/I/LL'
- Global TV stereo covering Nicam/A2 , BTSC/EIAJ stereo and MTS bilingual.

* Digital TV tuner

- Digital terrestrial TV receiving and Radio program receiving.
- Bandwidth setting 6M/7M/8M for worldwide DVB-T broadcasting.
- COFDM demodulation supports DVBT protocol ETSI specification (ETS 300 744)

* Driver

- Microsoft BDA driver structure
- Microsoft Windows 2000/XP WHQL certified
- Support Microsoft MCE