

Aspire 8930

Technical specifications

Intel® Core™2 Duo processor

Operating System

- > [Genuine](#) Windows Vista® Home Premium
- > [Genuine](#) Windows Vista® Ultimate

Processor & Chipset

- > Intel® Centrino® 2 processor technology, featuring:
- > Intel® Core™ 2 Duo processor with up to 6 MB L2 Cache, supporting Intel® 64 architecture
- > Mobile Intel® PM45 Express Chipset
- > Intel® Wireless WiFi Link 5100/5300 (dual-band quad-mode 802.11a/b/g/Draft-N) Wi-Fi CERTIFIED® network connection, featuring MIMO technology, supporting Acer SignalUp™ with Nplify™ wireless technology
- > Intel® Wireless WiFi Link 5150/5350 Wi-Fi®/WiMAX™ dual-mode module, supporting Acer SignalUp™ with Nplify™ wireless technology

Memory

- > DDR2 memory, upgradeable to 4 GB using dual soDIMM modules
- > Intel® Turbo Memory supported (manufacturing option)

HDD

- > One or two S-ATA hard disc drives

Storage

- > Blu-ray Disc™ (BD)/DVD-Super Multi double-layer drive or DVD-Super Multi double-layer drive
- > 6-in-1 card reader, supporting Secure Digital™ (SD), MultiMediaCard (MMC), MultiMediaCard Plus (MMCplus™), Memory Stick® (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)

Display

- > 18.4" WUXGA (Full HD) 1920 x 1080 pixel resolution, high-brightness (300-nit), Acer CineCrystal™ TFT LCD, two lamps, supporting simultaneous multi-window viewing via Acer GridVista™, or
- > 18.4" WUXGA (Full HD) 1920 x 1080 pixel resolution, high-brightness (220-nit), Acer CineCrystal™ TFT LCD, two lamps, supporting simultaneous multi-window viewing via Acer GridVista™, or
- > 18.4" WXGA (HD+) 1680 x 945 pixel resolution, high-brightness (220-nit) Acer CineCrystal™ TFT LCD, supporting simultaneous multi-window viewing via Acer GridVista™
- > 16.7 million colours
- > 16:9 aspect ratio
- > 8 ms high-def response time
- > Up to 90% color gamut

Graphics

- > NVIDIA® GeForce® 9700M GT with up to 2303 MB of TurboCache™ (512 MB of dedicated GDDR3 VRAM, up to 1791 MB of shared system memory*), supporting NVIDIA® PureVideo™ HD technology, OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.0, Microsoft® DirectX® 10 (* depending on size of system memory)
- > NVIDIA® GeForce® 9600M GT with up to 2303 MB of TurboCache™ (512 MB of dedicated GDDR3 VRAM, up to 1791 MB of shared system memory*), supporting NVIDIA® PureVideo™ HD technology, OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.0, Microsoft® DirectX® 10 (* depending on size of system memory)
- > DualView™ support
- > MPEG-2/DVD decoding
- > WMV9 (VC-1) and H.264 (AVC) decoding
- > HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support
- > Acer Arcade™ Deluxe featuring Acer CinemaVision™ and Acer ClearVision™ technologies

Multimedia

- > Optimized 2nd Generation Dolby Home Theater® audio enhancement, featuring Dolby® Digital, Dolby® Digital Live, Dolby® Pro Logic® IIx, Dolby® Headphone, Dolby® Natural Bass and Dolby® Sound Space Expander technologies
- > Acer CineSurround with five built-in speakers and one Acer Tuba CineBass booster supporting low-frequency effects
- > True5.1-channel surround sound output
- > Digital(DVB-T) TV-tuner supporting hardware MPEG-2 stream encoding and DVB-T (Digital Video Broadcasting-Terrestrial) standard (6 to 8 MHz) (manufacturing option)

- High-definition audio support
- S/PDIF (Sony/Philips Digital Interface) support for digital speakers
- MS-Sound compatible
- Acer PureZone technology with two built-in stereo microphones featuring beam forming, echo cancellation, and noise suppression technologies

Communication

- Acer Video Conference featuring integrated Acer Crystal Eye webcam, supporting enhanced Acer PrimaLite™ technology
- Acer Video Conference Manager software featuring Video Quality Enhancement (VQE) technology with H.264 video compression, supporting 640 x 480 resolution online video calls with drag-and-drop Picture-in-Picture (PIP) interactivity
- Acer PureZone technology
- Optional Acer Xpress VoIP phone
- Intel® Wireless WiFi Link 5100/5300 (dual-band quad-mode 802.11a/b/g/Draft-N) Wi-Fi CERTIFIED® network connection, featuring MIMO technology, supporting Acer SignalUp™ with Nplify™ wireless technology, or
Intel® Wireless WiFi Link 5150/5350 Wi-Fi®/WiMAX™ dual-mode module, featuring:
 - Wi-Fi® (dual-band quad-mode 802.11a/b/g/Draft-N) Wi-Fi CERTIFIED® network connection, featuring 1x2 or 3x3 MIMO technology, supporting Acer SignalUp™ with Nplify™ wireless technology, or
 - WiMAX™* (single-band 802.16e/2.5G) WiMAX Forum Certified™ WAN (Wide Area Network) connection, featuring Mobile WiMAX™ and MIMO technology, supporting Acer SignalUp™ with Nplify™ wireless technology (* depending on network readiness)
- 56K ITU V.92 modem with PTT approval; Wake-on-Ring ready
- Gigabit Ethernet; Wake-on-LAN ready
- Bluetooth® 2.0+EDR (Enhanced Data Rate) (manufacturing option)

I/O Interface

- 1x ExpressCard™/54 slot
- 6-in-1 card reader (SD™, MMC, MMCplus™, MS, MS PRO, xD)
- 4x USB 2.0 ports
(1x USB 2.0 port combined with eSATA port)
- 1x HDMI™ port with HDCP support
- 1x Consumer infrared (CIR) port
- 1x external display (VGA) port
- 1 x RF-in jack
(on models with TV Tuner only!)
- 1x Headphones/speaker/line-out jack with S/PDIF support
- 1x Microphone-in jack
- 1x Line-in jack
- 1x Modem (RJ-11) port
- 1x Ethernet (RJ-45) port
- 1x DC-in jack for AC adapter

Security

- Acer Bio-Protection fingerprint solution, featuring Windows® log on, computer protection, FingerLaunch, ProfileLaunch, MusicLaunch, password bank, MyLaunch, Acer FingerNav
- Slot for Kensington lock
- BIOS user, supervisor, HDD passwords

Power Supply & Battery

- ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes
- 71 W (8-cell) Li-ion battery pack
- Up to 2.5-hour battery life
Acer QuicCharge™ technology:
 - 80% charge in 1 hour
 - 2-hour rapid charge system-off
 - 3-hour charge-in-use
- 90 W AC adapter
- Energy Star 4.0-certified

Keyboard & Special Controls

- 105-/106-key keyboard with inverted "T" cursor layout, 2.5 mm (minimum) key travel
- Touchpad pointing device with Acer Bio-Protection fingerprint reader, featuring Acer FingerNav 4-way control function
- 12 function keys, four cursor keys, two Windows® keys, hotkey controls, standard numeric keypad, international language support, independent US and Euro dollar sign keys
- Empowering Key

- Easy-launch buttons: WLAN, Internet, email, Bluetooth®* (manufacturing option)

Acer CineDash media console capacitive human interface device, including:

- - Acer Arcade™
 - Volume meter (volume up/down)
 - Menu navigation (enter/back/left/right)
 - Media control (play/pause, stop, previous, next, fast forward, rewind)
 - Mute and hold keys

Weight & Dimensions

- 441.4 (W) x 300 (D) x 40.2/44.2 (H) mm
- (17.4 x 11.8 x 1.58/1.74 inches)
- 4.1 kg (9.04 lbs.)

Quality & Reliability Tests

- Temperature & humidity test
- Free drop test
- Acoustics test
- Weight and Pressure tests
- Spillage test
- Shock and Vibration tests
- Electrostatic discharge immunity test
- MTBF (Mean Time Between Failure) test
- Hinge life test
- Keyboard-switch life test

Software

- Acer Empowering Technology (Acer ePower, eAudio, eDataSecurity, eRecovery, eSettings Management)
- Acer Arcade™ Deluxe featuring Cinema, Album, Music, Acer HomeMedia
- Acer InstantOn Arcade
- Acer Bio-Protection
- Acer Crystal Eye
- Acer GridVista™
- Acer Launch Manager
- Acer GameZone
- Acer Video Conference Manager featuring Video Quality Enhancement (VQE)
- McAfee Internet Security Suite 60-day trial version
- Adobe® Reader®
- CyberLink® PowerDirector® trial version
- NTI Media Maker™
- Microsoft® Works 8.5 with Office Home and Student 2007 Trial

Options

- Acer Xpress VoIP phone and Acer Video Conference Manager pack
- Acer Media Center remote control
- Memory expansion modules
- Additional battery
- Additional AC adapter
- External USB floppy disk drive

Warranty

- One-year International Travellers Warranty (ITW)