

DATA SHEET

AMILO NOTEBOOK XA 3530

The art of entertainment

Issue: April 2009

You are looking to replace your desktop computer? You want to use state-of-the-art video communication and enjoy entertainment at its best? Then the AMILO Notebook Xa 3530 is the ideal system for you, offering an amazing array of features in a very stylish casing.

Processor technology

- AMD next-generation mobile dual-core processor technology

Operating System

- Windows Vista® Home Premium

Innovation

- ATI Mobility Radeon™ HD 3650 graphic card with 512 MB dedicated VRAM
- ATI Hybrid Graphics technology features multi-GPU performance capabilities, automatic power state adjustment for power-savings, and multi-display functionality
- ATI PowerXpress™ technology switches dynamically between discrete and onboard graphics. Experience great graphics performance while plugged in or switch over to energy efficient integrated graphics when on-the-go for extended battery life

Reliability

- Spill-proof keyboard to protect your notebook against accidentally spilt liquids: Enough time to shut down the notebook, have the liquid removed from the notebook, protects your investment and your data
- Engineered in Germany means the test center in Germany tests conformity to international standards and customer-specific requirements
- A+ grade LCD panels for better picture quality

Ease of use

- The silent mode function causes a noticeable reduction in fan noise
- Multimedia LightTouch™ bar and integrated Vista remote control let you easily play, stop or pause your DVDs or music CDs

Multimedia and Entertainment

- 17-inch LCD WXGA+ display with BrilliantView technology for vivid colors, amazing sharpness and impressive contrast
- The integrated AMILOcam (1.3 mega pixels) with low-light technology for great video quality even in low-light conditions and a built-in digital array microphone are perfect for Internet telephony (VoIP) and video chats
- Enjoy your favorite Hollywood blockbuster on an external display via HDMI (with HDCP support)



Options

- Integrated Blu-ray Disc™ drive and integrated hybrid TV tuner for the ultimate entertainment experience
- Dual hard disk drive with Raid 0/1 function: Choose either Raid 0 function and implement data striping to provide the best possible performance or Raid 1 function and define disk mirroring for simultaneous writing of data on two disks. If one drive becomes defect, all data can be accessed on the second drive

Components

Processor

AMD Turion™ X2 Ultra Dual-Core ZM-86 (2.4 GHz, 2 MB, 3.6 GT/s)
AMD Turion™ X2 Ultra Dual-Core ZM-84 (2.3 GHz, 2 MB, 3.6 GT/s)
AMD Turion™ X2 Ultra Dual-Core ZM-82 (2.2 GHz, 2 MB, 3.6 GT/s)
AMD Turion™ X2 Ultra Dual-Core ZM-80 (2.1 GHz, 2 MB, 3.6 GT/s)
AMD Turion™ X2 Dual-Core RM-72 (2.1 GHz, 1 MB, 3.6 GT/s)
AMD Turion™ X2 Dual-Core RM-70 (2.0 GHz, 1 MB, 3.6 GT/s)

Processor notes Processor depends on exact configuration. Please check at your local retailer.

Memory modules

4 GB (2 module(s) with 2 GB, DDR2), 800 MHz
3 GB (2 module(s) with 1 GB and 2 GB, DDR2), 800 MHz
2 GB (1 module(s) with 2 GB, DDR2), 800 MHz

Supported capacity RAM (min.) 1 GB

Supported capacity RAM (max.) 4 GB

Memory slots total 2

Memory slot type SODIMM (DDR2, 800 MHz)

Memory notes Memory size depends on exact configuration. Please check at your local retailer.
Disclaimer: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4 GB RAM

Hard disk drives (internal)

500 GB, 5400 rpm, SATA, 2.5-inch
320 GB, 5400 rpm, SATA, 2.5-inch
250 GB, 5400 rpm, SATA, 2.5-inch

Dual HDD options 1000 GB (2x 500 GB), 5400 rpm, SATA, 2.5-inch
640 GB (2x 320 GB), 5400 rpm, SATA, 2.5-inch
500 GB (2x 250 GB), 5400 rpm, SATA, 2.5-inch

Hard disk notes Hard disk capacity depends on exact configuration. Please check at your local retailer.
One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
Raid function (optional, if two HDDs are installed):
Raid 0: stripe set for performance
Raid 1: mirroring for security
Raid off: two physical HDDs

Optical drives

Optical drive technology	Blu-ray Disc™ drive incl. SuperMulti-format DVD burner with double layer (DL) support	SuperMulti-format DVD burner with double layer (DL) support
Interface type	SATA	SATA
Optical drive read speed	BD 2x, CD-ROM 24x, DVD-ROM 8x	CD-ROM 24x, DVD-ROM 8x
Optical drive write speed	CD-R 8x, CD-RW 8x, DVD+R 8x, DVD+RW 4x, DVD-R 8x, DVD-RW 4x, DVD+R DL (8.5 GB) 2.4x, DVD-R DL (8.5 GB) 2x, DVD RAM 5x	CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x, DVD-RW 6x, DVD+R DL (8.5 GB) 6x, DVD-R DL (8.5 GB) 6x, DVD-RAM 5x

Optical drive notes Optical disc type depends on exact configuration. Please check at your local retailer.

Display

Display Technology	BrilliantView LCD
Diagonal Size	17-inch
Aspect ratio	16:10
Display Resolution type	WXGA+
Resolution (native)	1440 x 900 pixel

Display

Response time typical	16 ms
Brightness - typical	200 NIT
Contrast - typical	400 : 1

Battery

Battery type	Li-Ion battery 8-cell
Battery voltage	14.8 V
Battery capacity	2400 mAh
Battery runtime (idle mode)	Up to 3:20 hours (onboard graphics) / Up to 2:20 hours (dedicated graphics)
Battery runtime (DVD playback)	Up to 2:25 hours (onboard graphics) / Up to 2:05 hours (dedicated graphics)
Battery charging time (idle mode)	Up to 1:15 hours (onboard graphics) / Up to 1:25 hours (dedicated graphics)
Battery charging time (maximum active mode)	Up to 1:30 hours (onboard graphics) / Up to 1:25 hours (dedicated graphics)
Battery charging time (normal use)	Up to 1:30 hours (onboard graphics) / Up to 1:25 hours (dedicated graphics)
Battery charging time (off mode)	Up to 1:40 hours (onboard graphics) / Up to 1:45 hours (dedicated graphics)

Battery notes	<p>Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook.</p> <p>Battery runtime (idle mode) tested with Battery Mark 4.0.1 ("power saver mode"). Battery runtime (DVD playback) tested with Vista DVD playback. Battery charging time (idle mode) tested with Battery Mark 4.0.1. Battery charging time (maximum active mode) tested with 3DMark 2006. Battery charging time (normal use) tested with Vista DVD playback.</p>
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AMILO Notebook Xa 3530

Operating system

Operating system compatible	Genuine Microsoft® Windows Vista® Home Premium (32-bit) Genuine Microsoft® Windows Vista® Home Basic (32-bit)
Recovery application	Backup and restore the original status of the hard disk and create system restore disks or individual recovery media on CD or DVD are included
Drivers	Updates downloadable at http://ts.fujitsu.com/support

Product design

Color	Reveal white or eclipse black
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General system information

System architecture	AMD next-generation mobile dual-core processor technology
Chipset	AMD 780G, AMD SB700

Graphics

Graphics brand name	ATI Mobility Radeon™ HD 3650 with Hybrid Graphics
Dedicated video memory	512 MB (GDDR3 VRAM)
Onboard graphics processor	ATI Radeon® HD 3200
Shared video memory	up to 1860 MB
3D Benchmark points	Up to 3600 (3D Mark 2006, depending on configuration)
Max. resolution external display	1920 x 1200 pixel
Graphic features	ATI PowerExpress™ technology (hybrid graphic technology) DirectX® 10 support
Graphic notes	<p>Shared video memory size may vary depending on configuration and the version of the operating system. The video memory size that is displayed in the system information software, as well as the actually used video memory size depends on Microsoft® Windows Vista® memory management. The following values might serve as orientation.</p> <ul style="list-style-type: none">- 1024 MB system memory enables up to 638 MB static and shared memory- 2048 MB system memory enables up to 1150 MB static and shared memory- 3072 MB system memory enables up to 1390 MB static and shared memory- 4096 MB system memory enables up to 1860 MB static and shared memory

Interfaces

DC-in	1
Audio: line-in	1
Audio: line-out / SPDIF	1
Audio: line-out / headphone	1
Audio: microphone in	1
Internal microphones	2
USB 2.0 total	3
eSATA & USB combo	1
VGA	1
HDMI	1 (1.3a, incl. HDCP support)
FireWire (IEEE1394)	1
Ethernet (RJ-45)	1
Memory card slots	1x 15-in-1 card reader (supported formats: SD, miniSD, MicroSD, SDHC, MS, MS-Duo, MMC, RS-MMC, MMC-Micro, MSPRO, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2, xD picture card)
Express card slots	1 (34/54 mm)
Kensington Lock support	1
Interface notes	Card reader: An adapter is needed for the following card formats: RS-MMC, MMC-Micro, miniSD, MicroSD, SDHC, MS-Duo, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2

Communication

Bluetooth	2.1 (integrated)
Infrared link (Fast IrDa 1.1, 4 Mbps)	1
LAN type	Gigabit Ethernet (10/100/1000 Mbit/s)
WLAN	Built-in WLAN (Wireless Local Area Network)

WLAN (optional)

WLAN name	pre-n WLAN (IEEE 802.11a/b/g/pre-n)
WLAN max. data rate	up to 300 Mbit/s
WLAN encryption	WEP, WPA, WPA2
WLAN notes	For use in: BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY

Audio

Audio type	On board
Audio codec	Realtek ALC888
Audio features	Support of high-definition audio for S/PDIF output with up to 7.1 channels 7.1 audio support also via 4x audio jacks (analog) 2x built-in speakers (2 W each) Built-in digital array microphone 1x built-in subwoofer (3 W) Sound volume control via function key or via LightTouch™ bar

AMILOcam

Camera	1.3 megapixel webcam
Frame rate	30 per second
Camera features	Powered by Logitech® Auto focus Automatic brightness adjustment with status LED (blue: on, red: streaming / application on) Low-light technology for great video-quality even in dark surrounding
Camera notes	AMILOcam frame rate can vary significantly depending on the used software application.

Input devices / Control buttons

Power Button	Located left of the keyboard, back lighted
Keyboard	Spill-proof keyboard
Number of keyboard keys	85

Input devices / Control buttons

Keyboard notes	The keyboard is spill-proof up to 50ml. This is enough to protect your notebook from an accidental spill. However, we recommend a backup as well as a system shut-down should liquids come into contact with the keyboard. The spill-proof protection does not prevent data loss caused by water damage. If this should happen, please contact your local customer service desk.
Number block	21 keys, 4 individually configurable quick-start application buttons (A1, A2, A3, A4)
Input device(s)	Hidden touchpad, with left and right mouse button, touchpad disable function via function key combination (Fn+F6)
Multimedia keys	Multimedia LightTouch™ bar located on top of the keyboard to launch the following applications: Silent mode (reduce noise level / fan speed, by reducing the CPU performance, office applications, Internet and DVD playback are not affected) Hybrid graphics to switch between onboard graphics for extended battery life and dedicated graphics for better performance DVD playback Skip rewind Play / pause Skip forward Volume control
Remote Control	26-key Vista remote control, shipped in ExpressCard slot

Hot keys

Hot key Fn+F1	WLAN / Bluetooth on / off
Hot key Fn+F2	TV-tuner on / off (depends on configuration)
Hot key Fn+F3	Mute on / off
Hot key Fn+F4	Volume down
Hot key Fn+F5	Volume up
Hot key Fn+F6	Touchpad on / off
Hot key Fn+F7	AMILOcam on / off
Hot key Fn+F8	Brightness down
Hot key Fn+F9	Brightness up
Hot key Fn+F10	Display switch
Hot key Fn+F11	Silent mode
Hot key Fn+F12	Suspend

Status indicators

Status indicators	The notebook has 3 status LEDs Power status (& suspend) Blue (always on): on Blue blinking: stand by None: off Battery charge Blue (always on): full Blue blinking: charging Red blinking: < 10 % capacity WLAN / Bluetooth Blue: on None: off
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Power supply

AC adapter	20 V / 120 W (6.0 A)
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
Battery features	ACPI 3.0 supported; Dynamic charge supported (rapid charge)

Energy consumption

S0 (idle mode)	Onboard graphics: 18.6 W; Dedicated graphics: 23.3 W
S0 (max. active mode)	Onboard graphics: 52.0 W; Dedicated graphics: 67.6 W
S3 (stand by / energy saving mode)	Onboard and dedicated graphics: 0.5 W
S4 (hibernate)	Onboard and dedicated graphics: 0.03 W

Energy consumption

S5 (off mode)	Onboard and dedicated graphics: 0.03 W
ACPI functions	ACPI 3.0 compliant for Vista requirement Power on stand by (S1 LCD off) Stand by / energy saving mode (S3 save to RAM) Hibernate mode (S4 save to disk) Off mode (S5 soft off)
Energy consumption notes	Maximum active mode tested with 3DMark 2006.

Noise emission

Idle mode	24.5 dB(A) (silent mode off); 19.7 dB(A) (silent mode on)
Maximum active mode	28.5 dB(A) (silent mode off); 26.3 dB(A) (silent mode on)
Noise notes / description	Noise emission (idle mode) tested according to ISO 7779 and ISO 9296. Noise emission (max. active mode) tested with QAFE 8.01 / 2. sieve.exe (CPU stress test) / Diskload.exe according to ISO 7779 and ISO 9296.

Dimensions / Weight / Environmental

Dimension (W x D x H)	398 x 295 x 37 (front) / 44 (back) mm
Weight	Approx. 3.6 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35°C
Operating relative humidity	10 - 90 % (relative humidity, non-condensing)

Compliance

Europe	CE Marking R&TTE (WLAN, Bluetooth®)
Global	RoHS (Restriction of hazardous substances)
Russia	GOST (WLAN)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Application software

Home office software	Microsoft® Works Microsoft® Office Home and Student Trial Adobe Acrobat Reader Windows Mail (within Vista operating system) Windows Calendar (within Vista operating system)
Multimedia software	Nero Essentials S (CD / DVD write software) Vista DVD Playback Pack (DVD playback software) Windows Media Player (within Vista operating system) Windows Media Center (only if system is preinstalled with Windows Vista® Home Premium operating system) Logitech® QuickCam® application software
Internet software	Microsoft® Internet Explorer Country specific Internet provider
Security software	Norman security software solution
Additional software (optional)	CyberLink Power DVD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)

Security

Physical security	Kensington Lock support Lid switch (hidden)
User security	User and supervisor password

Warranty

Warranty	Country specific terms
Service Weblink	ts.fujitsu.com/Supportservice

Accessories

Accessories included	AC adapter 120 W First Battery 8 cells Integrated remote control Cleaning wipe Manuals (manual on hard disk, quick start guide, safety guide, warranty guide, recovery guide)
Accessories link	http://ts.fujitsu.com/accessories



Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:

<http://ts.fujitsu.com/aboutus>

Take back and Recycling information:

<http://ts.fujitsu.com/recycling>

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