

## TOSHIBA Satellite A660-17M

<b>Processor</b>	type : Intel® Core™ i5-450M Processor
	clock speed : 2.40 / 2.66 Turbo GHz
	Front Side Bus : 1,066 MHz
	3rd level cache : 3 MB
<b>Operating system</b>	Genuine Windows® 7 Home Premium 64-bit (pre-installed, Toshiba-HDD recovery)
<b>Design Colour</b>	colour : Velvety Black with matt black keyboard
<b>System memory</b>	standard : 4,096 (2,048 + 2,048) MB
	maximum expandability : 8,192 MB
	technology : DDR3 RAM (1,066 MHz)
<b>Hard disk</b>	capacity : 500 GB
	drive rotation : 5,400 rpm
<b>DVD Super Multi drive (Double Layer)</b>	compatibility : CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R, DVD-R(DL), DVD-RW, DVD+R, DVD+R(DL), DVD+RW, DVD-RAM
	maximum speed : Read: 24x CD-ROM, 8x DVD-ROM/ Write: 24x CD-R, 4x CD-RW, 10x HS CD-RW, 24x US CD-RW, 8x DVD-R, 6x DVD-R (Double Layer), 6x DVD-RW, 8x DVD+R, 6x DVD+R (Double Layer), 8x DVD+RW, 5x DVD-RAM
	type : DVD Super Multi (Double Layer) drive
<b>Display</b>	size : 16.0 " (40.6cm)
	type : Toshiba TruBrite® HD TFT High Brightness display with LED backlight and 16 : 9 aspect ratio
	internal resolution : 1,366 x 768
<b>Graphics adapter</b>	manufacturer : NVIDIA®
	type : NVIDIA® GeForce® GT 330M with CUDA™ technology
	Memory amount: 1,024 MB dedicated VRAM. Available graphics memory can be expanded using system memory, through TurboCache™ technology: up to 2,782 MB with 4 GB system memory installed, and up to 4,606 MB with 8 GB system memory, (with pre-installed 64-bit operating system)
	memory type : DDR3 Video RAM (resp. Video RAM and system memory combined)
	connected bus : PCI Express®
<b>Internal video modes</b>	The following internal video modes are supported: resolution : 1,366 x 768
<b>Max. external video modes</b>	max. resolution : 2,048 x 1,536
	max. refresh rate : 100 Hz
	non-interlaced resolution with max. refresh rate : 1,920 x 1,200
<b>Interfaces</b>	1 x DC-in
	1 x external monitor
	1 x RJ-45



	1 x headphone (stereo)
	1 x integrated 1.3 Megapixels Web Camera with built-in microphone
	3 (Left 1, Right 2) x USB 2.0
	1 (Left) x eSATA/USB 2.0 supporting USB Sleep-and-Charge
	1 x HDMI supporting 1080p signal format
	1 x Multi-Card Reader (supports SD™ Card up to 2 GB, miniSD™/microSD™ Card with adapter up to 2 GB, SDHC™ Card up to 32 GB, SDXC™ Card up to 64 GB, Memory Stick® up to 256 MB, Memory Stick Pro™ up to 16 GB, MultiMedia Card™ up to 2 GB and xD-Picture Card™ up to 2 GB)
	1 x external microphone supporting Sleep-and-Music
<b>Expansion</b>	2 x memory slots (1 to configure)
	1 x Express Card™ slot
<b>Wireless communication</b>	Wireless Technology : Bluetooth® 2.1 + EDR
	Compliance : Wi-Fi™
	Network Support : 802.11b/g/n
	Wireless Technology : Wireless LAN
<b>Wired communication</b>	topology : Fast Ethernet LAN
	speed : 10BASE-T/100BASE-TX
<b>Sound system</b>	supported audio format : 24-bit stereo
	speakers : built-in Harman Kardon® stereo speakers
	manufacturer : Toshiba Bass Enhanced Sound System with Dolby® Advanced Audio
<b>Keyboard</b>	Keys : 102
	Windows® keys : Yes
	special features : Full-size matt black tile keyboard with 10-digit numeric keypad
<b>Pointing device</b>	Type: Touch Pad with Multi-Touch Control supporting two-finger scroll, pinch, flip and rotate. Featuring a separate Touch Pad on/off button.
<b>Battery</b>	technology : lithium-ion
	maximum life : up to 3h20min (Mobile Mark™ 2007)
<b>AC adapter</b>	input voltage : autosensing AC adapter (100/240 V) for worldwide usage
	output voltage : 19 V
	output current : 3.95 A
<b>Physical dimensions</b>	W x L x H : 380.5 x 254.0 x 28.0 (front) / 35.6 (rear) mm
	weight : starting at 2.62 kg
<b>Warranty</b>	1 -Year International warranty.
<b>Bundled hardware</b>	AC adapter
<b>Bundled software</b>	Toshiba Bluetooth™ Stack
	Toshiba Bluetooth™ Monitor
	Toshiba Disc Creator
	Toshiba User's Manual



	Supervisor Password Utility
	Toshiba Assist
	Chicony Camera Assistant Software
	Toshiba Face Recognition
	HDMI Control Manager
	Microsoft® Works, Microsoft® Office Home and Student 2007 (free 60-day trial)
	Toshiba Value Added Package (Toshiba Power Saver, Toshiba Zooming Utility, Toshiba PC Diagnostic Tool, Toshiba Flash Cards, Toshiba Components Common Driver, Toshiba Accessibility, Toshiba Button Support)
	McAfee® Internet Security (includes free Internet updates for 30 days)
	WildTangent Games Console
	Toshiba Photo Service
	Toshiba Recovery Media Creator
	WinDVD® BD for Toshiba
	Corel® DVD MovieFactory® for Toshiba
	Connectivity Doctor
	ConfigFree™
Toshiba utilities and drivers	
<b>Toshiba EasyMedia</b>	Easy Entertainment : Dolby® Advanced Audio HDMI-out 2 Harman Kardon® Stereo Speakers Toshiba Resolution+ Sleep-and-Music
	Easy Connectivity : Multi-Card Reader Toshiba ConfigFree™ Built-in Web Camera & Microphone Toshiba Face Recognition Bluetooth® 2.1 with EDR
	Easy Usability : Power-saving Eco Utility McAfee® Internet Security (includes free Internet updates for 30 days) Nero Software Toshiba Media Controller Display with LED backlighting Optical Drive Auto Lock PC Health Monitor Toshiba LifeSpace Toshiba TEMPRO Performance Tuning Service Control Buttons Touch Pad with Multi-Touch Control HDD 3D Impact Sensor USB Sleep-and-Charge Smart Display Support
<b>Security features</b>	user password
	wireless LAN switch
	slot for Kensington Cable Lock



	supervisor password
	HDD password on request
Special features	SM BIOS compliant
	HD Audio supporting
	Enhanced Intel® SpeedStep® Technology