

## TOSHIBA Satellite L650-10M

<b>Processor</b>	Type: Intel® Core™ i3-330M Processor
	clock speed : 2.13 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>System memory</b>	standard : 2,048 MB
	maximum expandability : 8,192 MB
	technology : DDR3 RAM (1,066 MHz)
<b>Hard disk</b>	capacity : 320 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 : 15.6 " (39.6cm)
	type : Toshiba TruBrite® HD TFT High Brightness display with 16 : 9 aspect ratio and LED backlighting
	internal resolution : 1,366 x 768
<b>Graphics adapter</b>	manufacturer : ATI
	type : ATI Mobility Radeon™ HD 5145 supporting HyperMemory™ technology
	memory amount : 512 MB dedicated VRAM (total available graphics memory using HyperMemory™ technology can be up to 1,755 MB with a 32-bit operating system and 3 GB system memory or 3,579 MB with a 64-bit operating system and 8 GB system memory)
	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 : 1,600 x 1,200
<b>Interfaces</b>	1 x DC-in
	1 x external monitor
	1 x RJ-45
	1 x external microphone
	1 x headphone (stereo)
	1 x integrated VGA Web Camera with built-in microphone



	1 (Left) x eSATA/USB 2.0
	2 (Right 2) x USB 2.0
	1 x Multi-Card Reader (supports SD™ Cards up to 64 GB, Memory Stick® up to 256 MB, Memory Stick Pro™ up to 16 GB and MultiMedia Card™ up to 2 GB)
	1 x HDMI supporting 1080p signal format
<b>Expansion</b>	2 x memory slots (1 to configure)
<b>Wireless communication</b>	Compliance : Wi-Fi™
	Network Support : 802.11b/g/n
	Wireless Technology : Wireless LAN
	Wireless Technology : Bluetooth®
<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 stereo speakers
	manufacturer : Toshiba Bass Enhanced Sound System with Dolby® Advanced Audio
<b>Keyboard</b>	Keys : 102
	Windows® keys : Yes
	special features : full-size keyboard with 10-digit numeric keypad
<b>Pointing device</b>	type : Touch Pad with Multi-Touch Control
<b>Battery</b>	technology : lithium-ion
	maximum life : up to 3h30min (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 : 380.0 x 250.0 x 28.0 (front) / 37.9 (rear) mm
	weight : starting at 2.50 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	



	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
	Connectivity Doctor
	ConfigFree™
	Toshiba utilities and drivers
<b>Toshiba EasyMedia</b>	Easy Entertainment : HDMI-out Dolby® Advanced Audio
	Easy Connectivity : Bluetooth® 2.1 with EDR Toshiba Face Recognition Built-in Web Camera & Microphone Multi-Card Reader
	Easy Usability : Toshiba Media Controller Power-saving Eco Utility Display with LED backlighting PC Health Monitor Toshiba LifeSpace Toshiba TEMPRO Performance Tuning Service Smart Display Support Touch Pad with Multi-Touch Control
<b>Security features</b>	HDD password on request
	supervisor password
	user password
	slot for Kensington Cable Lock
<b>Special features</b>	Enhanced Intel® SpeedStep® Technology
	integrated microphone for Voice over IP
	HD Audio supporting
	ENERGY STAR qualified computer
	SM BIOS compliant
	integrated VGA Web Camera for Video over IP