



## TOSHIBA Tecra R10-149

<b>Technology</b>	type : Intel® Centrino® 2 with vPro™ technology featuring Intel® Core™2 Duo processor SP9400, Intel® GS45 Express chipset and Intel® WiFi Link 5100
	clock speed : 2.40 GHz
	Front Side Bus : 1066 MHz
	2nd level cache : 6 MB
<b>Operating system</b>	Genuine Windows Vista® Business 32-bit Edition (pre-installed, Toshiba-HDD recovery) and Downgrade to Genuine Windows® XP Professional Edition (Toshiba-Recovery DVD)
<b>System memory</b>	standard : 4,096 (2,048 + 2,048) MB
	maximum expandability : 8,192 MB
	technology : DDR2 RAM (800 MHz)
<b>Hard disk</b>	capacity : 250 GB
	certification : S.M.A.R.T.
	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 : Slim Ultralight DVD Super Multi (Double Layer) drive
<b>Display</b>	size : 14 "
	type : Toshiba WXGA+ TFT display with LED backlight technology
	internal resolution : 1,440 x 900
<b>Graphics adapter</b>	manufacturer : NVIDIA®
	type : NVIDIA® Quadro® NVS 150M supporting TurboCache™ technology
	memory amount : 128 MB dedicated VRAM (up to 1,405 MB total available graphics memory using TurboCache™ technology with 4 GB system memory)
	memory type : GDDR3 (700 MHz) Video RAM (resp. Video RAM and system memory combined)
	connected bus : 16x PCI Express
<b>Internal video modes</b>	The following internal video modes are supported: resolution : 1,440 x 900
<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 SD™ Card slot
	1 x external microphone
	1 x built-in microphone



	1 x headphone (stereo)
	2 x USB 2.0
	1 x integrated VGA Web Camera
	1 x eSATA/USB 2.0 Sleep-and-Charge
<b>Expansion</b>	2 x memory slots
	1 x Express Card™ slot
	1 x connection to Toshiba Express Port Replicator 2 (optional)
<b>Wireless communication</b>	Wireless Technology : Bluetooth®
	Compliance : Wi-Fi™ Network Support : 802.11a/b/g Wireless Technology : Wireless LAN (802.11a/b/g)
<b>Wired communication</b>	topology : Gigabit Ethernet LAN
	speed : 10BASE-T/100BASE-TX/1000BASE-T
<b>Sound system</b>	supported audio format : 24-bit stereo
	speakers : built-in stereo speaker
<b>Keyboard</b>	Keys : 86
	Windows® keys : Yes
	special features : spill-resistant keyboard
<b>Pointing device</b>	type : Touch Pad
<b>Battery</b>	technology : lithium-ion
	maximum life : up to 4h45min (Mobile Mark™ 2007)
<b>AC adapter</b>	input voltage : autosensing AC adapter (100/240 V) for worldwide usage output voltage : 15 V output current : 5 A
<b>Physical dimensions</b>	W x L x H : 337x 252 x 28.7 (front) / 30.6 (rear) mm
	weight : starting at 1.97 kg
<b>Warranty</b>	1-year international warranty.
<b>Bundled hardware</b>	AC adapter
<b>Bundled software</b>	Toshiba Recovery Disc Creator
	McAfee® Internet Security Suite - Toshiba Edition (includes free Internet updates for 30 days)
	Toshiba Face Recognition
	Genuine Windows® XP Professional Edition Recovery DVD-ROM
	Toshiba DVD Player
	Toshiba utilities and drivers
	Toshiba Assist
	Toshiba Security Assist
	Toshiba User's Manual
	Toshiba Disc Creator
	Toshiba Bluetooth® Monitor
	Toshiba Bluetooth® Stack



	Connectivity Doctor
	Toshiba ConfigFree™
	Toshiba Management Console
	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)
	Google Pack (Google Toolbar for Internet Explorer, Google Desktop, Picasa)
	Toshiba Camera Assistant Software
<b>Toshiba EasyGuard</b>	PC Health Monitor
	Toshiba TEMPRO Performance Tuning Service
	Bluetooth™ 2.1 with EDR
	3G Mobile Broadband WWAN-ready connectivity
	Intel® Active Management Technology
	Toshiba Management Console
	Toshiba Power Saver Utility
	Intel® Virtualisation Technology
	'Dynadock' USB Port Replicator (optional)
	Port Replicator (optional)
	Wireless Communication Switch
	Video over IP ready
	Voice over IP ready
	Toshiba Security Assist
	Computrace® enabled BIOS
	Advanced Encryption
	Toshiba Wireless Key Log-on with Bluetooth® phone
	Toshiba Device Access Control (upon request)
	Toshiba Anti-theft Protection Timer
	Fingerprint Reader-Single Sign On
	Antivirus Software
	Diversity Antenna
	Toshiba ConfigFree™
	Kensington Lock
	PC Diagnostics
	Spill-resistant Keyboard
	HDD Protection (3-axis)
	Shock Protection Design
	Durable Design
	Data Backup
Easy Fix Components	
Password Utility	



	Execute Disable Bit Protection (XD-Bit)
<b>Security features</b>	main battery pack (by sliding latch)
	user password
	slot for Kensington Cable Lock
	supervisor password
	HDD password on request
	main memory (by screw)
	keyboard lock
	main hard disk (by screw)
<b>Special features</b>	ENERGY STAR qualified computer
	integrated VGA Web Camera for Video over IP
	Enhanced Intel® SpeedStep® Technology
	integrated microphone for Voice over IP
	HD Audio supporting
	Toshiba Assist button
	Toshiba Presentation button
	common docking and options with other Toshiba notebooks
SM BIOS compliant	