



TOSHIBA Portégé R830-10R

Processor	Type: Intel® Core™ i7-2620M Processor
	clock speed : 2.70 / 3.40 Turbo GHz
	Front Side Bus : 1,333 MHz
	3rd level cache : 4 MB
Operating system	Genuine Windows® 7 Professional 64-bit (pre-installed, Toshiba-HDD recovery)
Design Color	color : Black magnesium chassis with brushed metallic finish, black keyboard
System memory	standard : 4,096 (2,048 + 2,048) MB
	maximum expandability : 8,192 MB
	technology : DDR3 RAM (1,333 MHz)
Hard disk	capacity : 500 GB
	drive rotation : 7,200 rpm
DVD Super Multi drive (Double Layer)	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, 16x US CD-RW, 8x DVD-R, 4x DVD-R (Double Layer), 6x DVD-RW, 8x DVD+R, 4x DVD+R (Double Layer), 8x DVD+RW, 5x DVD-RAM
	type : Slim DVD Super Multi (Double Layer) drive
Display	size : 13.3 " (33.8 cm)
	type : Toshiba HD non-reflective High Brightness with 16 : 9 aspect ratio and LED backlighting
	internal resolution : 1,366 x 768
Graphics adapter	manufacturer : Intel®
	type : Intel® HD Graphics 3000
	memory amount : up to 1,696 MB shared memory from 4 GB system memory installed (with pre-installed 64-bit operating system)
	memory type : shared
Internal video modes	The following internal video modes are supported: resolution : 1,366 x 768
Max. external video modes	max. resolution : 2,048 x 1,536
	max. refresh rate : 100 Hz
	non-interlaced resolution with max. refresh rate : 1,600 x 1,200
Interfaces	1 x DC-in
	1 x external monitor
	1 x RJ-45
	1 x external microphone
	1 x built-in microphone
	1 x headphone (stereo)
	1 x integrated VGA Web Camera



	1 x HDMI supporting 1080p signal format
	1 x USB 3.0
	1 x USB 2.0
	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 2 TB and MultiMedia Card™ up to 2 GB)
Expansion	2 x memory slots (1 to configure)
	1 x connector to Toshiba Hi-Speed Port Replicator II
	1 x connector to Toshiba Hi-Speed Port Replicator
Wireless communication	Compliance : Wi-Fi™ Network Support : 802.11a/b/g/n Wireless Technology : Wireless LAN
	Wireless Technology : Bluetooth® 3.0
	Compliance : Mobile Broadband 3G (Ericsson F5521gw) Network Support : UMTS/HSPA at 2100 MHz and GSM/GPRS/EDGE quad bands at 850/900/1800/1900 MHz Wireless Technology : UMTS/3G (HSDPA 14,4Mbps, HSPA Evolution 21Mbps / HSUPA 5,76Mbps)
Wired communication	topology : Gigabit Ethernet LAN
	speed : 10BASE-T/100BASE-TX/1000BASE-T
Sound system	supported audio format : 24-bit stereo
	speakers : built-in stereo speakers
Keyboard	Keys : 87
	Windows® keys : Yes
	special features : black matt tile keyboard
Pointing device	type : Touch Pad with Multi-Touch Control supporting two-finger scroll, pinch, flip and rotate. Featuring a separate touchpad on/off button.
Battery	technology : lithium-ion , 6 cell
	maximum life : up to 8h10min (Mobile Mark™ 2007)
AC adapter	input voltage : autosensing AC adapter (100/240 V) for worldwide usage
	output voltage : 19 V
	output current : 3.42 A
Physical dimensions	W x L x H : 316.0 x 227.0 x 18.3 (front) / 26.6 (rear) mm
	weight : starting at 1.48 kg
Warranty	1 -Year International warranty.
Bundled hardware	AC adapter
Bundled software	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
	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
	Nero 9 Essentials
	Nero BackItUp & Burn Autobackup Essentials
	Bing Toolbar and Bing Search
	Amazon
	This PC includes limited functionality versions of Microsoft ® Word and Excel with advertising. Purchase Microsoft ® Office 2010 to activate a full-featured suite preloaded on this PC.
	Toshiba Video Player
	Nero Multimedia Suite 10 Essential
	Connectivity Doctor
	ConfigFree™
Toshiba utilities and drivers	
Toshiba EasyMedia	<ul style="list-style-type: none"> ➤ Security: <ul style="list-style-type: none"> Toshiba Device Access Control (on request) Execute Disable Bit (XD-Bit) Advanced Encryption (TPM) Fingerprint Reader-Single Sign On Computrace® enabled BIOS Password Utilities Antivirus Software Toshiba Security Assist Intel® Anti-Theft
	<ul style="list-style-type: none"> ➤ Protection: <ul style="list-style-type: none"> Optical Drive Auto Lock Data Backup Kensington Lock Durable Design Shock Protection Design HDD Protection and 3D accelerometer Spill-resistant Keyboard Easy Fix Components
	<ul style="list-style-type: none"> ➤ Connectivity: <ul style="list-style-type: none"> Mobile Broadband WWAN / 3G-ready connectivity Diversity Antenna Voice over IP ready Video over IP ready Toshiba ConfigFree™ Bluetooth® Wireless LAN (802.11a/b/g/N)



	<ul style="list-style-type: none">Manageability:<ul style="list-style-type: none">Multi-Touch TouchpadToshiba Media ContollerToshiba LifeSpaceEco UtilityPC Health MonitorToshiba TEMPRO Performance Tuning ServiceToshiba Power Saver UtilityVirtualization TechnologyIntel® Active Management TechnologyPort Replicator (optional)Dynadock 'USB Port Replicator' (optional)
Security features	HDD password on request
	supervisor password
	user password
	slot for Kensington Cable Lock
Special features	Enhanced Intel® SpeedStep® Technology
	HD Audio supporting
	SM BIOS compliant