

Portégé R930-C012	
Processor	3rd generation Intel® Core™ i7-3540M vPro™ Processor with Intel® Turbo Boost Technology 2.0. clock speed : 3.00 / 3.70 Turbo GHz. 3rd level cache : 4 MB. Front Side Bus : 1,600 MHz.
Operating system	Windows® 7 Professional 64-bit (pre-installed) and Windows 8 Pro 64-bit (on DVD) .
Design Colour	colour : Black magnesium chassis with brushed metallic finish, matt black keyboard .
System memory	standard : 4,096 MB. maximum expandability : 8,192 MB. technology : DDR3 RAM (1,600 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, 6x DVD-R (Double Layer), 6x DVD-RW, 8x DVD+R, 6x DVD+R (Double Layer), 8x DVD+RW, 5x DVD-RAM . Slim DVD Super Multi (Double Layer) drive .
Display	size : 33.8cm (13.3") . Toshiba HD non-reflective High Brightness display with 16 : 9 aspect ratio and LED backlighting . internal resolution : 1,366 x 768 .
Graphics adapter	Intel® HD Graphics 4000 . memory amount : up to 1,696 MB shared memory with 4 GB system memory installed, (with pre-installed 64-bit operating system) .
Internal video modes	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 HDMI-out supporting 1080p signal format . 1 x external monitor . 1 (Right) x USB 3.0 . 1 (Left) x eSATA/USB 2.0 supporting USB Sleep-and-Charge . 1 x built-in microphone . 1 (Left) x USB 3.0 . 1 x external microphone . 1 x headphone (stereo) . 1 x RJ-45 . 1 x DC-in . 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 and MultiMedia Card™ up to 2 GB) . 1 x integrated 1.3 Megapixels Web Camera .
Expansion	2 x memory slots . 1 x connector to Toshiba Hi-Speed Port Replicator II . 1 x connector to Toshiba Hi-Speed Port Replicator .
Wireless communication	Manufacturer : Intel® . Wireless Technology : Bluetooth® 4.0 . Compliancy : Wi-Fi™ . Network Support : 802.11a/b/g/n . Manufacturer : Intel® . Wireless Technology : Wireless LAN .
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, enhanced by SRS Premium Sound HD™ .
Keyboard	keys : 87 . Windows keys : Yes . special features : black matt tile keyboard .
Pointing device	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 9h00min (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 1.50 kg.
Warranty	3 years international Carry-in. Toshiba also offers a large range of services to upgrade your standard warranty, please have a look at our website www.toshiba-europe.com/services to find the right service for your product. .
Bundled hardware	AC adapter .

Bundled software	Nero KwikMedia, Nero BackItUp & Burn Autobackup . Toshiba Eco Utility™ . Toshiba HDD/SSD Alert . Toshiba PC Health Monitor . Toshiba Service Station . Toshiba TempPro, checks your laptop for the latest Toshiba software updates . Infineon TPM Software Professional Package . Toshiba Assist, gives you access to Toshiba Manageability utilities . Toshiba Security Assist, helps you to improve security level of the laptop . Toshiba Intelligent Display Management . Toshiba Recovery Media Creator . Skype . Microsoft® Office trial . Toshiba HDD Protection . McAfee® Internet Security (includes complimentary 30 day subscription) .
Toshiba EasyGuard - Security	Antivirus Software . Computrace® enabled BIOS . Password Utilities . Intel® Anti-Theft . Execute Disable Bit (XD-Bit) . Toshiba Device Access Control (on request) . Toshiba Security Assist . Advanced Encryption (TPM) .
Toshiba EasyGuard - Protection	PC Diagnostics . HDD Protection and 3D accelerometer . Easy Fix Components . Kensington Lock . Durable Design . Optical Drive Auto Lock . Data Backup . Shock Protection Design . Spill-resistant Keyboard .
Toshiba EasyGuard - Connectivity	Wireless LAN (802.11a/b/g/N) . HDMI-out . Bluetooth® . Video over IP ready . Voice over IP ready . Diversity Antenna . Intel® Wireless Display .
Security features	HDD password on request . supervisor password . slot for Kensington Cable Lock . user password .
Special features	HD Audio supporting . Enhanced Intel® SpeedStep® Technology . SM BIOS compliant . ENERGY STAR 5.0 qualified computer .
Certification	The manufacturer declares that this product complies with the following directives and regulations for the CE-marking. Responsible for CE marking is Toshiba Europe GmbH, Hammfelddam 8, 41460 Neuss, Germany. .
Casework	magnesium + polycarbonate ABS .
Toshiba EasyGuard - Manageability	Multi-Touch Touchpad . Eco Utility . PC Health Monitor . Toshiba TEMPRO Performance Tuning Service . Dynadock 'USB Port Replicator' (optional) . Virtualization Technology . Toshiba Power Saver Utility . Port Replicator (optional) . Intel® Active Management Technology .
Toshiba EasyGuard - Security	Fingerprint Reader-Single Sign On .
Toshiba EasyGuard - Manageability	Non Reflective Screen .
Toshiba EasyGuard - Security	SmartCard Reader .

CPU performance may vary from specifications under certain conditions such as the use of battery instead of AC power, certain external peripherals, certain multimedia applications or network connections, complex modeling software and increase with low air pressure at high altitude (1,000 metres above sea level) and/or certain temperatures. CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer may automatically shutdown as a normal protective measure. To avoid risk of data loss, please make periodic backups. For optimum performance, use your computer only under recommended conditions. Please read detailed restrictions in the product resource guide, visit the Toshiba web site www.computers.toshiba-europe.com and/or contact Toshiba Technical Support. Graphics processor unit (GPU) performance may vary depending on product model, design configuration, application, power management settings and feature utilized. Part of the main system memory may be used by the graphics system and therefore reduce the amount of main system memory available. For PCs configured with 6 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration. For information about upgrading your system memory, please refer to the user manual or contact our local Toshiba service provider. One GB means one billion bytes, accessible capacity may be less. Wired and wireless communication capabilities to be applied in countries where approved. Battery life may vary depending on application, power management settings and feature utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see your accessories information pamphlet with your computer or visit the Toshiba web site www.computers.toshiba-europe.com. Smart brightness may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Tiny, small brightness themes appear on your display, are an intrinsic characteristic of the TFT manufacturing technology. Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. Please check your system specifications to ensure optimal results. Certain notebook chassis are designed to accommodate all possible configurations for an entire product line. Your selected model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis. Performance may vary depending on product model, configuration, video content format settings as well as the performance variations of individual hardware components. Results were achieved on select models and configurations tested by Toshiba at the time of publication.

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