

	Satellite P770-111
Processor	Intel® Core™ i7-2630QM Processor . clock speed : 2.00 / 2.90 Turbo GHz. 3rd level cache : 6 MB. Front Side Bus : 1333 MHz.
Operating system	Windows® 7 Home Premium 64-bit (pre-installed, Toshiba-HDD recovery) .
Design Colour	colour : Velvety Black with glossy rim and textured line pattern, black keyboard .
System memory	standard : 4,096 MB. maximum expandability : 8,192 MB. technology : DDR3 RAM (1,333 MHz) .
Hard disk	capacity : 640 GB. drive rotation : 5,400 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, 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 . DVD Super Multi (Double Layer) drive .
Display	size : 43.9cm (17.3") . Toshiba TruBrite® HD+ TFT High Brightness display with LED backlighting and 16 : 9 aspect ratio . internal resolution : 1,600 x 900 . response time rise + fall (Typ.) : 8 ms.
Graphics adapter	NVIDIA® GeForce® GT 540M with CUDA™ Technology and NVIDIA® Optimus™ Technology . memory amount : 2,048 MB dedicated VRAM. Available graphics memory can be expanded using system memory, through TurboCache™ technology: up to 3,793 MB with 4 GB system memory installed as shown in the NVIDIA control panel, and up to 4,095 MB with 5 GB system memory (with pre-installed 64-bit operating system) .
Internal video modes	resolution : 1,600 x 900 .
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 integrated 1.3 Megapixels Web Camera with built-in microphone . 1 x RJ-45 . 1 x external microphone supporting Sleep-and-Music . 3 (Left 1, Right 2) x USB 2.0 . 1 x headphone (stereo) . 1 (Left) x USB 3.0 supporting USB Sleep-and-Charge . 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 HDMI supporting 1080p signal format .
Expansion	2 x memory slots.
Wireless communication	Compliance: Wi-Fi® . Network Support : 802.11b/g/n . Manufacturer : Atheros . Wireless Technology : Wireless LAN . Manufacturer : Atheros . Wireless Technology : Bluetooth® 3.0 + HS .
Wired communication	topology : Gigabit Ethernet LAN . speed : 10BASE-T/100BASE-TX/1000BASE-T . connector : RJ-45 .
Keyboard	keys : 102 . Windows keys : Yes . special features : Full-size matt black tile backlit keyboard with 10-digit numeric keypad .
Pointing device	Touchpad with multi-touch control supporting various scroll, zoom and launch functionalities at your fingertips. Featuring a separate touchpad on/off button .
Battery	technology : lithium-ion . maximum life : currently no official battery benchmark result available .
AC adapter	input voltage : autosensing AC adapter (100/240 V) for worldwide usage . output voltage : 19 V. output current : 6.32 A.
Physical dimensions	W x L x H : 413.6 x 274.0 x 28.0 (front) / 36.0 (rear) mm. weight : starting at 3.0 kg.
Sound system	supported audio format : 24-bit stereo . speakers : built-in Harman Kardon® stereo speakers .
Warranty	1 year EMEA 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	Toshiba Assist .Toshiba Bluetooth™ Stack .Bing Toolbar and Bing Search .McAfee® Internet Security (includes free Internet updates for 30 days) .Connectivity Doctor .Nero Multimedia Suite 10 Essential .Chicony Camera Assistant Software .Supervisor Password Utility .Toshiba Video Player .Toshiba Music Place .Toshiba Recovery Media Creator .Windows Live Essentials .eBay .WildTangent Games Console .Toshiba User's Manual .ConfigFree™ .Toshiba utilities and drivers .Toshiba Disc Creator .Nero BackItUp & Burn Autobackup Essentials .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 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) .Skype .Toshiba Photo Service .Amazon .
Toshiba EasyMedia - Easy Entertainment	2 Harman Kardon® Stereo Speakers .Toshiba Resolution+ .HDMI-out .Dolby® Advanced Audio .Sleep-and-Music .
Toshiba EasyMedia - Easy Connectivity	Built-in Web Camera & Microphone .Toshiba Face Recognition .Bluetooth® 2.1 with EDR .USB 3.0 .Toshiba ConfigFree™ .Multi-Card Reader .
Toshiba EasyMedia - Easy Usability	HDD Protection .USB Sleep-and-Charge .PC Health Monitor .Nero Software .Power-saving Eco Utility .McAfee® Internet Security (includes free Internet updates for 30 days) .Toshiba Media Controller & Toshiba Media Controller Plug-in .Control Buttons .Backlit keyboard .Touch Pad with Multi-Touch Control .Smart Display Support .Toshiba TEMPRO Performance Tuning Service .Display with LED backlighting .Optical Drive Auto Lock .
Security features	user password .supervisor password .HDD password on request .slot for Kensington Cable Lock .
Special features	HD Audio supporting .SM BIOS compliant .ENERGY STAR 5.0 qualified computer .Enhanced Intel® SpeedStep® Technology .EasyControl Bar with 7 feather touch buttons (ECO utility, Wireless on/off, on/off function of LED illumination (Touch Pad, Satellite logo, Control Buttons, backlit keyboard), CD/DVD launcher and Play/Pause, Toshiba LifeSpace Bulletin Board, Volume+/-) .
Casework	polycarbonate ABS .
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 .

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 in areas 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 lost data, please make periodic back-up copies. 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, applications, power management settings and features 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 4 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 your 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 applications, power management settings and features 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 that shipped with your computer or visit the Toshiba web site: www.computers.toshiba-europe.com. - Small 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. Any small brightness that may 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 series. 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.

