ASUS

ASUS R500VJ-SX054P laptop Intel® Core™ i7 i7-3630QM 39.6 cm (15.6") HD 4 GB DDR3-SDRAM 750 GB HDD NVIDIA® GeForce® GT 635M Windows 8 Pro Brown

Brand : ASUS

Product code: R500VJ-SX054P

Product name : R500VJ-SX054P

Intel Core i7-3630QM (6M Cache, 2.4GHz), 15.6" HD 1366 x 768 LED, 4GB DDR3, 750GB SATA HDD, Intel HD Graphics 4000, NVIDIA GeForce GT 635M 2GB DDR3 VRAM, Super-Multi DVD, Gigabit Ethernet, WLAN 802.11 b/g/n, HD WebCam, Windows 8 Pro 64-bit
ASUS R500VJ-SX054P. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-3630QM, Processor frequency: 2.4 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 750 GB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8 Pro. Product colour: Brown

Design

Product type *	Laptop
Product colour *	Brown
Form factor *	Clamshell

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✘
HD type	HD
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	3rd gen Intel® Core™ i7
Processor model *	i7-3630QM
Processor cores	4
Processor threads	8
Processor boost frequency	3.4 GHz
Processor frequency *	2.4 GHz
System bus rate	5 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor socket	PGA988
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-3600 Mobile series
Processor codename	Ivy Bridge
Bus type	DMI

Performance

Motherboard chipset	Intel HM76 Express

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Drivers included	✔
Operating system installed *	Windows 8 Pro

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✘
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘

Processor

FSB Parity	✗
Stepping	E1
Thermal Design Power (TDP)	45 W
Tjunction	105 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
CPU multiplier (bus/core ratio)	24
ECC supported by processor	✗

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory slots	2x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	750 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	750 GB
HDD interface	SATA
HDD size	2.5"
Optical drive type *	DVD Super Multi
Card reader integrated	✔
Compatible memory cards	MMC, SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 635M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR3
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4000
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
On-board graphics card ID	0x166

Audio

Audio system	SonicMaster Lite
Built-in speaker(s)	✔
Speakers manufacturer	Altec Lansing
Built-in microphone	✔

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✗
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1

Processor special features

Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✗
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✗
Intel® Secure Key	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 (rPGA988B)
Supported instruction sets	AVX
Processor code	SR0UX
CPU configuration (max)	1
Embedded options available	✗
Graphics & IMC lithography	22 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✗
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✔
Intel FDI Technology	✔
Intel Rapid Storage Technology	✗
Intel Fast Memory Access	✔
Processor ARK ID	71459
Conflict-Free processor	✔
Integrated 4G WiMAX	✔

Battery

Number of battery cells	6
Battery capacity	4700 mAh
Battery capacity *	50 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output voltage	19 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Password protection type	BIOS, HDD

Weight & dimensions

Width	378 mm

Ports & interfaces

DVI port	✘
VGA (D-Sub) ports quantity	1
Headphone outputs	1
S/PDIF out port	✘
Microphone in	✔
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘

Weight & dimensions

Depth	251 mm
Height (front)	2.55 cm
Height (rear)	3.19 cm
Weight *	2.52 kg

Other features

3D	✘