

# 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		Performance	
Product type *	Laptop	Motherboard chipset	Intel HM76 Express
Product colour *	Brown	<b>Keyboard</b>	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39.6 cm (15.6")	Full-size keyboard	✓
Display resolution *	1366 x 768 pixels	Windows keys	✓
Touchscreen *	✗	<b>Software</b>	
HD type	HD	Operating system architecture	64-bit
LED backlight	✓	Drivers included	✓
Native aspect ratio	16:9	Operating system installed *	Windows 8 Pro
Processor		<b>Processor special features</b>	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i7	Intel® My WiFi Technology (Intel® MWT)	✓
Processor generation	3rd gen Intel® Core™ i7	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor model *	i7-3630QM	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3.4 GHz	Intel® Small Business Advantage (Intel® SBA)	✗
Processor frequency *	2.4 GHz	Enhanced Intel SpeedStep Technology	✓
System bus rate	5 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	6 MB	Intel Clear Video Technology	✗
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		

Processor		Processor special features	
FSB Parity	✗	Intel® InTru™ 3D Technology	✓
Stepping	E1	Intel® Insider™	✓
Thermal Design Power (TDP)	45 W	Intel® Quick Sync Video Technology	✓
Tjunction	105 °C	Intel Flex Memory Access	✓
Maximum number of PCI Express lanes	16	Intel® Smart Cache	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Trusted Execution Technology	✗
CPU multiplier (bus/core ratio)	24	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	4 GB	Intel® Secure Key	✓
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	8 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	750 GB	Processor package size	37.5 x 37.5 (rPGA988B)
Storage media *	HDD	Supported instruction sets	AVX
Number of HDDs installed	1	Processor code	SR0UX
HDD capacity	750 GB	CPU configuration (max)	1
HDD interface	SATA	Embedded options available	✗
HDD size	2.5"	Graphics & IMC lithography	22 nm
Optical drive type *	DVD Super Multi	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Compatible memory cards	MMC, SD	Intel Secure Key Technology version	1.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 635M	Intel Dual Display Capable Technology	✓
Discrete graphics card memory	2 GB	Intel FDI Technology	✓
Discrete graphics memory type	GDDR3	Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Intel Fast Memory Access	✓
Discrete graphics card *	✓	Processor ARK ID	71459
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 4000	Integrated 4G WiMAX	✓
On-board graphics card base frequency	650 MHz	Battery	
On-board graphics card dynamic frequency (max)	1150 MHz	Number of battery cells	6
On-board graphics card ID	0x166	Battery capacity	4700 mAh
Audio		Battery capacity *	50 Wh
Audio system	SonicMaster Lite	Power	
Built-in speaker(s)	✓	AC adapter power	120 W
Speakers manufacturer	Altec Lansing	AC adapter frequency	50 - 60 Hz
Built-in microphone	✓	AC adapter input voltage	100 - 240 V
Network		AC adapter output voltage	19 V
Wi-Fi	✓	DC-in jack	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Security	
Ethernet LAN	✓	Cable lock slot	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Cable lock slot type	Kensington
Bluetooth	✗	Password protection type	BIOS, HDD
Cabling technology	10/100/1000Base-T(X)	Weight & dimensions	
Ports & interfaces		Width	378 mm
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		

Ports & interfaces		Weight & dimensions	
DVI port	×	Depth	251 mm
VGA (D-Sub) ports quantity	1	Height (front)	2.55 cm
Headphone outputs	1	Height (rear)	3.19 cm
S/PDIF out port	×	Weight *	2.52 kg
Microphone in	✓	Other features	
ExpressCard slot	×	3D	×
CardBus PCMCIA slot type	×		
SmartCard slot	×		

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