



## ASUS R704VC-TY048H Notebook 43.9 cm (17.3") HD+ 3rd gen Intel® Core™ i3 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 720M Windows 8 Black

Brand : ASUS

Product code: 90NB0241-M00600

Product name : R704VC-TY048H



Intel Core i3-3120M (3M Cache, 2.50 GHz), 17.3" HD+ 1600 x 900 LED, 4GB DDR3, 500GB SATA HDD, DVD SuperMulti, Intel HD Graphics 4000 + NVIDIA GeForce GT 720M 2GB GDDR3, Gigabit Ethernet, WLAN 802.11 b/g/n, HD WebCam, Windows 8 64 bit  
ASUS R704VC-TY048H. Product type: Notebook, Form factor: Clamshell. Processor family: 3rd gen Intel® Core™ i3, Processor model: i3-3120M, Processor frequency: 2.5 GHz. Display diagonal: 43.9 cm (17.3"), Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics adapter model: Intel® HD Graphics 4000. Operating system installed: Windows 8. Product colour: Black



Design		Ports & interfaces	
Product type *	Notebook	Charging port type	DC-in jack
Product colour *	Black	ExpressCard slot	✗
Form factor *	Clamshell	CardBus PCMCIA slot type	✗
<b>Display</b>		SmartCard slot	✗
Display diagonal *	43.9 cm (17.3")	<b>Keyboard</b>	
Display resolution *	1600 x 900 pixels	Pointing device	Touchpad
Touchscreen *	✗	Numeric keypad *	✓
HD type	HD+	Full-size keyboard	✓
LED backlight	✓	Windows keys	✓
Native aspect ratio	16:9	<b>Software</b>	
<b>Processor</b>		Operating system architecture	64-bit
Processor manufacturer *	Intel	Operating system installed *	Windows 8
Processor model *	i3-3120M	<b>Processor special features</b>	
Processor frequency *	2.5 GHz	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	3rd gen Intel® Core™ i3	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cores	2	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor threads	4	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	5 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	3 MB	Intel® Turbo Boost Technology	✗
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor lithography	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✗
Processor series	Intel Core i3-3100 Mobile Series	Intel® InTru™ 3D Technology	✓
Processor codename	Ivy Bridge	Intel® Insider™	✓
Bus type	DMI	Intel® Quick Sync Video Technology	✓
FSB Parity	✗	Intel Flex Memory Access	✓
Thermal Design Power (TDP)	35 W	Intel® Smart Cache	✓
Tjunction	105 °C	Intel® AES New Instructions (Intel® AES-NI)	✗
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16,2x8,1x8+2x4		
CPU multiplier (bus/core ratio)	25		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Intel Trusted Execution Technology	✗
Internal memory type	DDR3-SDRAM	Intel Enhanced Halt State	✓
Memory clock speed	1600 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage		Intel 64	✓
Total storage capacity *	500 GB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
HDD capacity	500 GB	Processor package size	37.5 x 37.5 (rPGA988B); 31 x 24 (BGA1023)
HDD interface	SATA	Supported instruction sets	AVX
HDD speed	5400 RPM	CPU configuration (max)	1
HDD size	2.5"	Embedded options available	✗
Optical drive type *	DVD Super Multi	Graphics & IMC lithography	22 nm
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Compatible memory cards	SD	Intel Identity Protection Technology version	1.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics adapter model *	NVIDIA® GeForce® GT 720M	Intel Dual Display Capable Technology	✓
On-board graphics adapter *	✓	Intel FDI Technology	✓
Discrete graphics adapter *	✓	Intel Rapid Storage Technology	✗
On-board graphics adapter family	Intel® HD Graphics	Intel Fast Memory Access	✓
On-board graphics adapter model *	Intel® HD Graphics 4000	Processor ARK ID	71465
On-board graphics adapter base frequency	650 MHz	Conflict-Free processor	✓
On-board graphics adapter dynamic frequency (max)	1100 MHz	Integrated 4G WiMAX	✓
On-board graphics adapter ID	0x166	Battery	
Discrete graphics adapter memory	2 GB	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics memory type	GDDR3	Number of battery cells	6
Audio		Battery capacity	4400 mAh
Speakers manufacturer	Altec Lansing	Battery capacity (Watt-hours) *	47 Wh
Built-in microphone	✓	Power	
Camera		AC adapter power	90 W
Front camera	✓	AC adapter frequency	50 - 60 Hz
Network		AC adapter input voltage	100 - 240 V
Bluetooth	✗	AC adapter output current	4.74 A
Wi-Fi	✓	AC adapter output voltage	19 V
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	Password protection	✓
Data network	Not supported	Password protection type	BIOS, HDD, User
4G WiMAX	✗	Weight & dimensions	
Ports & interfaces		Width	420 mm
USB 2.0 ports quantity *	2	Depth	282 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Height (front)	3.46 cm
Ethernet LAN (RJ-45) ports	1	Height (rear)	3.86 cm
HDMI ports quantity *	1	Weight *	3 kg
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	3D	✗
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✗		

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