## ASUS X450CC-WX009 laptop Intel® Core™ i3 i3-3217U 35,6 cm (14") 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 720M Grey, Stainless steel

Brand : ASUS Product code: X450CC-WX009

**Product name:** X450CC-WX009

Intel Core i3-3217U (3MB Cache, 1.8GHz), 4GB DDR3, 500GB HDD, 14.0" 16:9 HD  $1366 \times 768$ , Intel HD Graphics 4000, NVIDIA GeForce GT 720M 2GB DDR3 VRAM, Gigabit Ethernet, HD Web Camera, Super-Multi DVD, no OS

ASUS X450CC-WX009. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-3217U, Processor frequency: 1,8 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 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 card model: Intel® HD Graphics 4000, Discrete graphics card model: NVIDIA® GeForce® GT 720M. Product colour: Grey, Stainless steel



Design		Ports & interfaces	
Product type * Product colour *	Laptop	ExpressCard slot	×
Form factor *	Grey, Stainless steel Clamshell	CardBus PCMCIA slot type	×
	Ciamsileii	SmartCard slot	×
Display		Performance	
Display diagonal *	35,6 cm (14")	Motherboard chipset	Intel HM76 Express
Display resolution *	1366 x 768 pixels	Keyboard	
Touchscreen *	X Not supported	Pointing device	Touchpad
HD type Native aspect ratio	Not supported 16:9	Numeric keypad *	X
·	10.9	Windows keys	7
Processor			•
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i3	Operating system installed *	×
Processor generation Processor model *	3rd gen Intel® Core™ i3 i3-3217U	Processor special features	
Processor cores	2	Intel® Wireless Display (Intel®	/
Processor threads	4	WiDi)	
Processor frequency *	1,8 GHz	Intel® My WiFi Technology (Intel® MWT)	<b>✓</b>
System bus rate	5 GT/s	Intel® Anti-Theft Technology	
Processor cache	3 MB	(Intel® AT)	<b>✓</b>
Processor cache type	Smart Cache	Intel® Identity Protection	/
Processor socket	BGA 1023	Technology (Intel® IPT)	
Processor lithography	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes	64-bit	Intel® Turbo Boost Technology	×
Processor series	Intel Core i3-3200 Mobile Series	Enhanced Intel SpeedStep	
Processor codename	Ivy Bridge	Technology	✓
Bus type	DMI	Intel® Clear Video HD Technology	<b>✓</b>
FSB Parity	X L1	(Intel® CVT HD)	
Stepping Thermal Design Power (TDP)	17 W	Intel Clear Video Technology	X
Tjunction	105 °C	Intel® InTru™ 3D Technology	<b>✓</b>
Maximum number of PCI Express		Intel® Insider™	<b>✓</b>
lanes	16	Intel® Quick Sync Video Technology	<b>✓</b>
PCI Express slots version	2.0	Intel Flex Memory Access	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Smart Cache	✓
CPU multiplier (bus/core ratio)	18	Intel® AES New Instructions (Intel®	×
ECC supported by processor	X	AES-NI)	
Memory		3,	X
Internal memory *	4 GB	Intel Enhanced Halt State	<b>/</b>

Memory		Processor special features	
Internal memory type	DDR3-SDRAM	Intel VT-x with Extended Page	<b>✓</b>
Memory clock speed	1600 MHz	Tables (EPT)	
Memory form factor	On-board + SO-DIMM	Intel Demand Based Switching	X
Memory slots  Maximum internal memory *	1x SO-DIMM 8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
Storage		Intel 64	<b>✓</b>
Total storage capacity *	500 GB	Execute Disable Bit	<b>✓</b>
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	/
HDD capacity	500 GB	Processor package size	31 x 24 mm
Optical drive type *	DVD Super Multi	Supported instruction sets	AVX
Card reader integrated	✓	Processor code	SR0N9
Compatible memory cards	SD, SDHC, SDXC	CPU configuration (max)	1
Graphics		Embedded options available	×
Discrete graphics card model *	NVIDIA® GeForce® GT 720M	Graphics & IMC lithography	22 nm
Discrete graphics card memory Discrete graphics memory type	2 GB GDDR3	Intel Virtualization Technology for Directed I/O (VT-d)	×
On-board graphics card *	<b>✓</b>	Intel Identity Protection Technology version	1,00
Discrete graphics card * On-board graphics card family	✓ Intel® HD Graphics	Intel Virtualization Technology (VT-x)	<b>✓</b>
On-board graphics card model * On-board graphics card base	Intel® HD Graphics 4000	Intel Dual Display Capable Technology	<b>✓</b>
frequency	350 MHz	Intel FDI Technology	<b>✓</b>
On-board graphics card dynamic frequency (max)	1050 MHz	Intel Rapid Storage Technology	×
On-board graphics card ID	0x166	Intel Fast Memory Access	<b>✓</b>
Audio		Processor ARK ID	65697
Audio system	SonicMaster	Conflict-Free processor	<b>/</b>
Built-in microphone	✓	Integrated 4G WiMAX	<b>✓</b>
Camera	•	Battery	
		Number of battery cells	4
Front camera	✓	Battery capacity	2600 mAh
Network		Battery capacity *	37 Wh
Wi-Fi	✓	Power	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter power	65 W
Ethernet LAN	✓	AC adapter frequency	50 - 60 Hz
Ethernet LAN data rates	10,100,1000 Mbit/s	AC adapter input voltage	100 - 240 V
Bluetooth	×	AC adapter output current AC adapter output voltage	3,42 A 19 V
Data network	Not supported		<b>1</b> 9 <b>V</b>
4G WiMAX	X	DC-in jack	•
Ports & interfaces		Security	
USB 2.0 ports quantity *	1	Cable lock slot	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Cable lock slot type Password protection type	Kensington BIOS, HDD, User
Ethernet LAN (RJ-45) ports	1	Weight & dimensions	
HDMI ports quantity *	1	Width	348 mm
DVI port	X	Depth	241 mm
VGA (D-Sub) ports quantity	1	Height (front)	2,48 cm
S/PDIF out port	X	Height (rear)	3,17 cm
Microphone in	X	Weight *	2,1 kg
Combo headphone/mic port	✓	Other features	
Docking connector	X	3D	x

## **Catalog Object Cloud**



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