

## ASUS A43SD-VX631D laptop Intel® Core™ i5 i5-2450M 35.6 cm (14") 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® 610M Red



**Brand :** ASUS

**Product code:** A43SD-VX631D

**Product name :** A43SD-VX631D

ASUS A43SD-VX631D. Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-2450M, Processor frequency: 2.5 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 3000, Discrete graphics card model: NVIDIA® GeForce® 610M. Product colour: Red. Weight: 2.44 kg

Design		Performance	
Product colour *	Red	Motherboard chipset	Intel® HM65 Express
Form factor *	Clamshell	<b>Keyboard</b>	
<b>Display</b>		Pointing device	Touchpad
Display diagonal *	35.6 cm (14")	Numeric keypad *	✗
Display resolution *	1366 x 768 pixels	Windows keys	✓
LED backlight	✓	<b>Processor special features</b>	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
<b>Processor</b>		Intel® My WiFi Technology (Intel® MWT)	✓
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	2nd gen Intel® Core™ i5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i5-2450M	Intel® Turbo Boost Technology	2.0
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3.1 GHz	Intel Clear Video Technology	✗
Processor frequency *	2.5 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor lithography	32 nm	Intel® Smart Cache	✓
Processor operating modes	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel Core i5-2400 Mobile Series	Intel Trusted Execution Technology	✗
Processor codename	Sandy Bridge	Intel Enhanced Halt State	✓
Bus type	DMI	Intel VT-x with Extended Page Tables (EPT)	✓
FSB Parity	✗	Intel Demand Based Switching	✗
Stepping	J1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Thermal Design Power (TDP)	35 W	Intel 64	✓
Tjunction	100 °C	Execute Disable Bit	✓
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	✗		
<b>Memory</b>			
Internal memory *	4 GB		
Internal memory type	DDR3-SDRAM		
Memory clock speed	1333 MHz		

Memory		Processor special features	
Maximum internal memory *	8 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	500 GB	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Storage media *	HDD	Supported instruction sets	AVX
Number of HDDs installed	1	Processor code	SR04Z
HDD capacity	500 GB	CPU configuration (max)	1
HDD interface	SATA	Embedded options available	✗
HDD size	2.5"	Graphics & IMC lithography	32 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	Memory Stick (MS), MMC, SD	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Dual Display Capable Technology	✓
Discrete graphics card model *	NVIDIA® GeForce® 610M	Intel FDI Technology	✓
Discrete graphics card memory	2 GB	Intel Rapid Storage Technology	✗
Discrete graphics memory type	GDDR3	Intel Fast Memory Access	✓
On-board graphics card *	✓	Processor ARK ID	53452
Discrete graphics card *	✓	Conflict-Free processor	✗
On-board graphics card family	Intel® HD Graphics	Integrated 4G WiMAX	✓
On-board graphics card model *	Intel® HD Graphics 3000	Battery	
On-board graphics card base frequency	650 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card dynamic frequency (max)	1300 MHz	Number of battery cells	6
On-board graphics card ID	0x116	Battery capacity	5200 mAh
Audio		Battery capacity *	56 Wh
Audio system	SonicFocus	Power	
Built-in speaker(s)	✓	AC adapter power	90 W
Built-in microphone	✓	AC adapter frequency	50 - 60 Hz
Camera		AC adapter input voltage	100 - 240 V
Front camera resolution (numeric)	0.3 MP	AC adapter output current	4.74 A
Network		AC adapter output voltage	19 V
Wi-Fi	✓	DC-in jack	✓
Networking features	Gigabit Ethernet, WLAN	Security	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot	✗
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width	348 mm
Bluetooth	✗	Depth	242 mm
Cabling technology	10/100/1000Base-T(X)	Height (front)	2.95 cm
Ports & interfaces		Height (rear)	3.48 cm
USB 2.0 ports quantity *	3	Weight *	2.44 kg
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	Infrared data port	✗
DVI port	✗	Graphics card family	Intel
VGA (D-Sub) ports quantity	1	Power supply type	AC/DC
Headphone outputs	1	Ethernet interface type	Gigabit Ethernet
S/PDIF out port	✗		
Microphone in	✓		

## Catalog Object Cloud



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