

ASUS A56CM-XX309H laptop Intel® Core™ i7 i7-3537U 39.6 cm (15.6") 8 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 635M Windows 8 Black, Silver



Brand : ASUS

Product code: A56CM-XX309H

Product name : A56CM-XX309H

A56CM-XX309H - Intel Core i7-3537U (4M Cache, 2 GHz), 8GB DDR3, 500GB HDD, 15.6" 16:9 HD (1366x768), Gigabit Ethernet, WLAN 802.11 b/g/n, 2x USB 2.0, USB 3.0, HDMI, VGA, Windows 8, 2.3kg
ASUS A56CM-XX309H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3537U, Processor frequency: 2 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 8 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. Operating system installed: Windows 8. Product colour: Black, Silver

| Design | | Ports & interfaces | |
|---------------------------|----------------------------------|--|--------------------|
| Product type * | Laptop | SmartCard slot | ✗ |
| Product colour * | Black, Silver | | |
| Form factor * | Clamshell | | |
| Display | | Performance | |
| Display diagonal * | 39.6 cm (15.6") | Motherboard chipset | Intel HM76 Express |
| Display resolution * | 1366 x 768 pixels | | |
| Touchscreen * | ✗ | | |
| LED backlight | ✓ | | |
| Native aspect ratio | 16:9 | | |
| Processor | | Keyboard | |
| Processor manufacturer * | Intel | Pointing device | Touchpad |
| Processor family * | Intel® Core™ i7 | Numeric keypad * | ✓ |
| Processor generation | 3rd gen Intel® Core™ i7 | Full-size keyboard | ✓ |
| Processor model * | i7-3537U | | |
| Processor cores | 2 | | |
| Processor threads | 4 | | |
| Processor boost frequency | 3.1 GHz | | |
| Processor frequency * | 2 GHz | | |
| System bus rate | 5 GT/s | | |
| Processor cache | 4 MB | | |
| Processor cache type | Smart Cache | | |
| Processor socket | BGA 1023 | | |
| Processor lithography | 22 nm | | |
| Processor operating modes | 64-bit | | |
| Processor series | Intel Core i7-3500 Mobile series | | |
| Processor codename | Ivy Bridge | | |
| Bus type | DMI | | |
| FSB Parity | ✗ | | |
| | | Software | |
| | | Operating system installed * | Windows 8 |
| | | 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 |
| | | Enhanced Intel SpeedStep Technology | ✓ |
| | | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| | | Intel Clear Video Technology | ✗ |
| | | Intel® InTru™ 3D Technology | ✓ |
| | | Intel® Insider™ | ✓ |

| Processor | | Processor special features | |
|---|-------------------------------------|---|-------------------|
| Stepping | L1 | Intel® Quick Sync Video Technology | ✓ |
| Thermal Design Power (TDP) | 17 W | Intel Flex Memory Access | ✓ |
| Tjunction | 105 °C | Intel® Smart Cache | ✓ |
| Maximum number of PCI Express lanes | 16 | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| PCI Express slots version | 2.0 | Intel Trusted Execution Technology | ✗ |
| PCI Express configurations | 1x8, 1x16, 2x4, 2x8 | Intel Enhanced Halt State | ✓ |
| CPU multiplier (bus/core ratio) | 20 | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| ECC supported by processor | ✗ | Intel Demand Based Switching | ✗ |
| Memory | | Intel® Secure Key | ✓ |
| Internal memory * | 8 GB | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| Internal memory type | DDR3-SDRAM | Intel 64 | ✓ |
| Memory clock speed | 1600 MHz | Execute Disable Bit | ✓ |
| Memory layout (slots x size) | 2 x 4 GB | Idle States | ✓ |
| Memory slots | 2x SO-DIMM | Thermal Monitoring Technologies | ✓ |
| Maximum internal memory * | 8 GB | Processor package size | 31 x 24 (BGA1023) |
| Storage | | Supported instruction sets | AVX |
| Total storage capacity * | 500 GB | Processor code | SR0XG |
| Storage media * | HDD | CPU configuration (max) | 1 |
| Number of HDDs installed | 1 | Embedded options available | ✗ |
| HDD capacity | 500 GB | Graphics & IMC lithography | 22 nm |
| HDD interface | SATA | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| HDD size | 2.5" | Intel Identity Protection Technology version | 1.00 |
| Optical drive type * | DVD Super Multi | Intel Secure Key Technology version | 1.00 |
| Card reader integrated | ✓ | Intel Virtualization Technology (VT-x) | ✓ |
| Compatible memory cards | SD | Intel Dual Display Capable Technology | ✓ |
| Graphics | | Intel FDI Technology | ✓ |
| Discrete graphics card model * | NVIDIA® GeForce® GT 635M | Intel Rapid Storage Technology | ✗ |
| Discrete graphics card memory | 2 GB | Intel Fast Memory Access | ✓ |
| Discrete graphics memory type | GDDR3 | Processor ARK ID | 72054 |
| On-board graphics card * | ✓ | Conflict-Free processor | ✓ |
| Discrete graphics card * | ✓ | Integrated 4G WiMAX | ✓ |
| On-board graphics card family | Intel® HD Graphics | Battery | |
| On-board graphics card model * | Intel® HD Graphics 4000 | Battery capacity | 2950 mAh |
| On-board graphics card base frequency | 350 MHz | Battery capacity * | 44 Wh |
| On-board graphics card dynamic frequency (max) | 1200 MHz | Power | |
| On-board graphics card ID | 0x166 | AC adapter power | 65 W |
| Audio | | AC adapter frequency | 50 - 60 Hz |
| Audio system | SonicMaster Lite | AC adapter input voltage | 100 - 240 V |
| Built-in speaker(s) | ✓ | AC adapter output current | 3.42 A |
| Built-in microphone | ✓ | AC adapter output voltage | 19 V |
| Network | | DC-in jack | ✓ |
| Wi-Fi | ✓ | 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 | 380 mm |
| Bluetooth | ✗ | Depth | 266 mm |
| Cabling technology | 10/100/1000Base-T(X) | Height (front) | 2.1 cm |
| Ports & interfaces | | Height (rear) | 2.1 cm |
| USB 2.0 ports quantity * | 2 | Weight * | 2.3 kg |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1 | | |
| Ethernet LAN (RJ-45) ports | 1 | | |
| HDMI ports quantity * | 1 | | |
| DVI port | ✗ | | |

| Ports & interfaces | | Packaging content | |
|----------------------------|---|-----------------------|----|
| VGA (D-Sub) ports quantity | 1 | AC adapter included * | ✓ |
| S/PDIF out port | ✗ | Cables included | AC |
| Microphone in | ✗ | Manual | ✓ |
| Combo headphone/mic port | ✓ | Quick start guide | ✓ |
| ExpressCard slot | ✗ | Warranty card | ✓ |
| CardBus PCMCIA slot type | ✗ | | |

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.