ComX Computers
Product Specification Sheet

MB-AE45M1MP

Asus E45M1-M Pro with Integrated AMD E450 dual core CPU

Product Overview

Asus E45M1-M Pro all-in-one with Integrated AMD E450 dual core CPU, usb3.0 + sata6G, with EFi mouse-controlled bios, fan-less design, AMD FCH A50 chipset, 2x DDR3-1600(o.c)/ 1333, 6 (5 internal +1 external e-sata) sata6G, on-board ATI HD6320 508mhz DirectX11 1Gb UMA VGA with triple -output (HDMi + D-SUB + DVi) + ALC887-VD2 7.1 audio with optical s/pdif out + iEEE1394 + gigabit LAN; 1x PCI-e (1x), 1x PCI-e (16x), 2 x PCI, with EPU + anti-surge protection + Turbo key + Turbo-V, with 2x USB 3.0 + 4x USB 2.0, 1xPS2 - micro atx









Specifications

Features:

Integrated AMD Dual-Core Processor E-450 with AMD Radeon HD6320 Graphics
This motherboard supports integrated AMD Dual-Core Processor E-450 with AMD Radeon HD 6320 Graphics. This revolutionary APU (Accelerated Processing Unit) combines processing power and advanced DirectX 11 graphics in one small, energy-efficient design to enable accelerated performance and an industry-leading visual experience. It features single-channel DDR3 memory support and accelerates data transfer rate up to 2.5GT/s

HDMI Support
High-Definition Multimedia Interface (HDMI) is a set of digital video standards that delivers multi-channel audio and uncompressed digital video for full HD 1080p visuals through a single cable. Supporting HDCP copy protection such as HD

DVD and Blu-ray Discs, HDMI provides you with the highest-quality home theater experience.

ASUS EPU
The ASUS EPU (Energy Processing Unit) provides total system power management by detecting current PC loadings and intelligently moderating power in real-time. It automatically provides the most appropriate power usage to save power and money!

Turbo-V
This intutive performance-improvement tool allows users to adjust the system performance paramaters with just a few clicks through its user-friendly interface. ASUS TurboV also allows users to save several profile settings to suit system performance scenarios as well.

Fan Xpert
ASUS Fan Xpert intelligently allows users to adjust both the CPU and chassis fan speed according to different ambient temperature , which is caused by different climate conditions in different geographic regions and system loading.Built-in variety of useful profiles offer flexible controls of fan speed to achieve a quiet and cool environment.

USB 3.0 Support
Experience ultra-fast data transfers at 4.8Gbps with USB 3.0--the latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and is also backward compatible with USB 2.0 components.

Stylish Heatsink
The stylish heatsink features a 0-dB thermal solution that offers users a noiseless PC environment. Not only the beautiful shape upgrades the visual enjoyment for motherboard users, but also the heatsink design lowers the temperature of the chipset and power phase area through high efficient heat-exchange. Combined with usability and aesthetics, the ASUS stylish heatsink will give users an extremely silent and cooling experience with the elegant appearance!

AMD FCH A50M (Hudson M1)
AMD FCH A50M (Hudson M1) is designed to support up to 2.5GT/s interface speed and PCI Express 2.0 x 16 (at x4 speed) graphics. It supports 6 x SATA6Gb/s ports and 14 x USB 2.0 Ports.

100% All High-quality Conductive Polymer Capacitors!
This motherboard uses all high-quality conductive polymer capacitors onboard for durability, improved lifespan, and enhanced thermal capacity

Anti-Surge Protection
This special design prevents expensive devices and the motherboard from damage caused by power surges from switching power supply (PSU).

Turbo Key II
Enjoy superb performance by auto-tuning your processor to an extreme yet stable state. Simply activate a dedicated switch on the motherboard to unleash extra processing capabilities.

AI Suite II
With its user-friendly interface, ASUS AI Suite II consolidates all the exclusive ASUS features into one simple to use software package. It allows users to supervise overclocking, energy management, fan speed control, voltage and sensor readings, and even interact with mobile devices via Bluetooth. This all-in-one software offers diverse and ease to use functions, with no need to switch back and forth between different utilities.

Native Serial ATA 6Gb/s support
The AMD Hudson M1 Chipset natively supports the Serial ATA (SATA) interface, delivering up to 6.0 Gb/s data transfer. ASUS

provides extra SATA 6.0 Gb/s ports with enhanced scalability, faster data retrieval, and double the bandwidth of current bus systems.

GreenASUS

The motherboard and its packaging comply with the European Union's Restriction on the use of Hazardous Substances (RoHS). This is in line with the ASUS vision of creating environment-friendly and recyclable products and packaging to safeguard consumers' health while minimizing the impact on the environment.

Specifications:

CPU	AMD Fusion APU E-450 Dual-Core onboard Processors
	Supports AMD Turbo Core Technology
Chipset	AMD FCH A50M (Hudson M1)
Memory	2 x DIMM, Max. 8GB, DDR3 1600(O.C.)/1333/1066 MHz Non-ECC, Un-buffered Memory
	Single Channel Memory Architecture
	* Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists).
	* Due to OS limitation, when installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Install a 64-bit Windows OS when you want to install 4GB or more memory on the motherboard.
System Bus	Up to 2.5 GT/s UMI Link
Graphic	Integrated ATI Radeon HD 6320 GPU
	Multi-VGA output support : HDMI/DVI/RGB ports
	- Supports HDMI with max. resolution 1920 x 1080 @ 60 Hz
	- Supports DVI with max. resolution 1920 x 1200 @ 60 Hz
	- Supports RGB with max. resolution 2560 x 1600 @ 60 Hz
	Supports DirectX 11
Expansion Slots	1 x PCIe 2.0 x16 (x4 mode)
	1 x PCIe 2.0 x1
	2 x PCI
Storage	Built-in Controller :
	5 x SATA 6Gb/s port(s), white
	1 x eSATA 6Gb/s port(s), red
LAN	Realtek 8111E, 1 x Gigabit LAN Controller(s)
Audio	Realtek ALC887 8-Channel High Definition Audio CODEC *1
	- Supports : Multi-streaming, Front Panel Jack-retasking, Anti-pop Function
	Audio Feature :
	- Optical S/PDIF out port(s) at back panel
USB Ports	ASMedia USB 3.0 controller :
	2 x USB 3.0 port(s) (2 at back panel, blue)
	Built-in Controller :
	12 x USB 2.0 port(s) (4 at back panel, black+red, 8 at mid-board)

Special Features	ASUS EPU :
	- EPU
	ASUS Protect 3 Technology :
	- Anti-Surge Protection
	- Low EMI Solution
	Turbo Key
	Turbo Key II
	TurboV
	ASUS Exclusive Features :
	- AI Suite II
	- Ai Charger+
	- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface
	ASUS Quiet Thermal Solution :
	- ASUS Fan Xpert
	ASUS EZ DIY :
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 2
	- ASUS MyLogo 2
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s)
	1 x DVI
	1 x D-Sub
	1 x HDMI
	1 x eSATA 6Gb/s
	1 x IEEE 1394a
	1 x LAN (RJ45) port(s)
	2 x USB 3.0
	4 x USB 2.0
	1 x Optical S/PDIF out
	3 x Audio jack(s)

Internal I/O Ports	4 x USB 2.0 connector(s) support(s) additional 8 USB 2.0 port(s)
	1 x COM port(s) connector(s)
	5 x SATA 6Gb/s connector(s)
	1 x IEEE 1394a connector(s)
	1 x CPU Fan connector(s)
	1 x Chassis Fan connector(s)
	1 x S/PDIF out header(s)
	1 x 24-pin EATX Power connector(s)
	1 x 4-pin ATX 12V Power connector(s)
	1 x parallel port connector(s)
	1 x Front panel audio connector(s) (AAFP)
	1 x System panel(s)
	1 x Turbo Key II switch(es)
Accessories	User's manual
	I/O Shield
	2 x SATA 6Gb/s cable(s)
	1 x CPU FAN
BIOS	32 Mb Flash ROM, UEFI BIOS, PnP, DMI 2.0, WfM 2.0, ACPI 2.0a, SM BIOS 2.6
Support Disc	Drivers
	ASUS PC Probe II
	ASUS Update
	Anti-virus software (OEM version)
Form Factor	uATX Form Factor
	9.6 inch x 7.2 inch (24.4 cm x 18.3 cm)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/MB-AE45M1MP-Asus-E45M1-M-Pro-with-Integrated-AMD-E450-dual-core-CPU-p-53650.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-18 15:18:36.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other

information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.