ASUS PRIME A520M-R AMD A520 Socket AM4 micro ATX

Brand : ASUS

Product name : PRIME A520M-R

Product code: 90MB1H60-M0EAY0

- AMD AM4 Socket: Ready for AMD Ryzen 5000 Series/ 5000 G-Series/ 4000 G-Series/ 3000 Series/ 3000 G-Series Desktop Processors
- Ultrafast Connectivity: M.2 support, 1Gb Ethernet, rear and front USB 5Gbps support
- Comprehensive Cooling: PCH heatsink and Fan Xpert
- 5X Protection III: Multiple hardware safeguards for all-around system protection
AMD A520 (Ryzen AM4) micro-ATX motherboard with M.2 support, Realtek 1Gb Ethernet, HDMI, SATA 6 Gbps, rear and front USB 5Gbps support
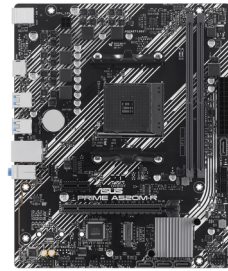
Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9, AMD Ryzen 9 5th Gen
Supported processor sockets	Socket AM4

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✓
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4133,4200,4266,4333,4400,4466,4600,4666,4866,5100 MHz
Supported memory clock speed (max)	5100 MHz
Maximum internal memory *	64 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	5
RAID support	✓
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	Not supported

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
Front panel audio connector	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	1
Peripheral (Molex) power connectors (4-pin)	1

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	2
HDMI ports quantity *	1
HDMI version	2.1
Headphone outputs	1
Line-in	✓
Microphone in	✓

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
Wi-Fi *	✗

Features

Motherboard chipset *	AMD A520
Audio output channels *	7.1 channels
Product colour	Black
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10, Windows 11

Expansion slots

PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 3.x) slots	1
Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI

Internal I/O

Number of COM connectors	1
TPM connector	✓
12V power connector	✓

BIOS

BIOS memory size	128 Mbit

Packaging data

Package width	270 mm
Package depth	263 mm
Package height	51.5 mm
Package weight	880 g

Weight & dimensions

Width	236 mm
Depth	193 mm

Packaging content

Cables included	SATA

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