

10 Gigabit PCIe Network Adapter

Model: MA510E

// Highlights

- Blazing-Fast 10 Gbps Networking
- Multi-Speed Compatible
- Remote Management via Wake-on-LAN[†]
- Flow Control
- Low-Profile Bracket Support

Free
1.2 m CAT6
Ethernet Cable Inside

Windows 11
Compatible with Multiple Systems

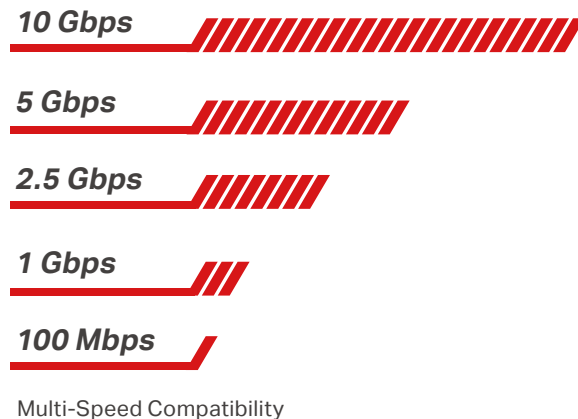


10 Gbps

// Features

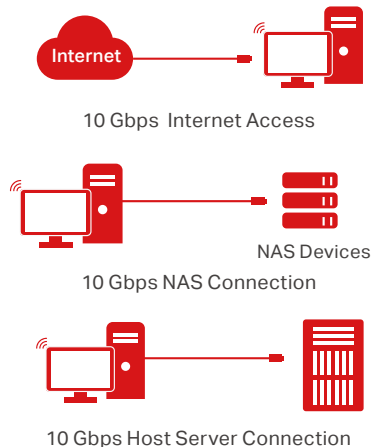
Blazing-Fast 10 Gbps Networking

MA510E delivers extreme speeds of up to 10 Gbps, which is 10× faster than typical Gigabit adapters, automatically negotiating between higher and lower speed connections to ensure smooth data transmission for all your bandwidth-intensive tasks.



Wider Application Range

MA510E maximizes 10 Gbps internet access, enabling high-speed data transfers to NAS devices or host servers for enhanced hardware performance—ushering in the era of 10 Gbps home networking.



Flow Control

The dynamic point-to-point credit management mechanism ensures high-speed data transmission with zero packet loss, delivering a low-latency multi-gig experience.



Wake-on-LAN

Remotely power on/off your PC via a dedicated network signal, making it the ultimate companion for remote work.



Energy-Efficient Ethernet (EEE)

Equipped with EEE technology, MA510E slashes energy use, trims your carbon footprint, and guarantees flawless performance.



Flexible Installation

Includes both standard and low-profile brackets for compatibility with various board designs.

// Specifications

Hardware Features

Standards

IEEE802.3
IEEE802.3ae
IEEE802.3bz
IEEE802.3ab
IEEE802.3u
IEEE802.3x

Interfaces

1× PCI Express
1× RJ45

Data Rate: 10 Gbps, 5 Gbps, 2.5 Gbps, 1 Gbps, 100 Mbps

Network Media

10GBASE-T/5GBASE-T/2.5GBASE-T/1000BASE-T/100BASE-TX

LEDs: 10 Gbps Link/Act, 5/2.5/1 Gbps and 100 Mbps Link/Act

Dimensions: 120.8 × 21.5 × 98.2 mm (4.76 × 0.85 × 3.87 in)

Others

Package Contents

10 Gigabit PCIe Network Adapter (MA510E)
Standard/Low-Profile Brackets
Quick Installation Guide
Resource CD
1.2m CAT6 Ethernet Cable

Certification

CE, RoHS

System Compatibility

Windows 11/10/8.1/8, Windows Server 2022/2019/2016/2012 R2, Linux[§]

Environment

Operating Temperature: 0°C~40°C (32°F~104°F)
Operating Humidity: 10%~90% Non-Condensing
Storage Humidity: 5%~90% Non-Condensing

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†Maximum wired data throughput rates are the physical rates derived from IEEE Standard 802.3 specifications. Actual wired data throughput is not guaranteed and will vary as a result of environmental factors, Ethernet cable class, and computer performance.

‡Use of Wake-on-LAN requires your mainboard to also support the corresponding feature.

§Functionality of MA510E may be restricted on some computing systems and platforms. Please try to update the device's driver after an OS update for feature compatibility.