

Axagon ADE-AR USB-A 3.2 Gen 1 - Gigabit Ethernet adapter, Realtek 8153

Model: ADE-AR

Manufacturer: AXAGON

EAN: 8595247907929

Product Code: 621247

R804

The external network card AXAGON ADE-AR easily converts USB-A 3.2 Gen 1 port to Gigabit Ethernet port. USB network adapter compatible with 10/100/1000 Mbit/s expands the computer with a fast and stable network connection, adds the missing RJ-45 network connector, adds another network card, or replaces the original non-functional network connection.

In addition to gigabit throughput, the LAN adapter offers a wide range of features such as. IPv4/IPv6 checksum to reduce CPU load by checksums, the crossover detection and auto-correction, TCP large send offload, support for various modes of the Wake-on-LAN feature, the work with VLAN and advanced Power Management features.

Thanks to its compact dimensions and minimal weight, it is an ideal accessory for laptops. Support

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for current versions of Windows, macOS, Linux and Chrome OS operating systems allows it to be used for any desktop computer, laptop or ultrabook. In Windows from version 8.1 and above, the adapter enables easy automatic installation without the need for an Internet connection.

Input:

• USB 5Gbps (USB 3.2 Gen 1 / USB 3.0).
• Backward compatible with USB 480Mbps (USB 2.0) and USB 1.1.
• Connection to computer via USB type A male connector.

Output:

• Gigabit Ethernet interface with RJ-45 connector for UTP or STP cable connection.
• Supported transmission rates for the Ethernet interface 10/100/1000 Mb/s.
• Supported IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T specifications.
• 10/100/1000 Mb/s auto-detection.
• Supports IPv4 / IPv6 packet Checksum Offload Engine (COE) to reduce processor load, including IPv4 IP/TCP/UDP/ICMP/ IGMP & IPv6 TCP/UDP/ICMPv6 checksum control and generation.
• Supports TCP Large Send Offload V1 and V2.
• Supports IEEE 802.1P Layer 2 priority encoding & decoding.
• Supports IEEE 802.1Q VLAN tagging.
• Supports IEEE 802.3az EEE (Energy Efficient Ethernet) - reduce power consumption at rest.
• Supports Jumbo frame.
• Supports full-duplex transmissions with IEEE 802.3x flow control and half-duplex transmissions with back-pressure flow control.
• Supports Auto MDI/MDIX - crossover detection and auto-correction eliminates the need for crossover cables.
• Supports hardware Cyclic Redundancy Check (CRC) to detect transmission errors.
• Supports Pair Swap/Polarity/Skew Correction.

Other features:

• Full Plug and Play and Hot Plug support.
• Supports CDC-ECM – for automatic installation of drivers across different OSs.
• Adapter power supply via USB (bus power) - no auxiliary power supply required.
Two LEDs to indicate network activity and the adapter's connection to the network.
• Dimensions 58 x 24 x 16 mm.

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• Weight 22 g (incl. cable).
• USB cable length 15 cm.
• The Realtek RTL8153 chipset is used.

Wake-on-LAN feature support in different modes:
• Supports sleep mode and remote Wake Up via Magic Packet, Microsoft Wakeup Frame, Microsoft Wake Packet Detection and Link Change Wake-up.
• Supports ECMA-393 proxZzzy® standard for sleeping hosts to manage the network connection of sleeping guests using proxy servers.
• RealWoW! technology support allows remote wake up over the Internet.

Advanced Power Management features:
The adapter supports advanced power management to reduce losses during standby or light traffic on the network. It further supports advanced power saving when the Ethernet cable has been disconnected.
• Supports Advanced Configuration Power Management Interface (ACPI).
• Supports Power Management offload (ARP & NS).
• Supports Microsoft Always On Always Connected (AOAC).
• Supports Intel Converged Platform Power Management (CPPM).
• Supports Link Power Management (LPM).
• Supports Operating System-directed Power Management (OSPM).
• Supports IEEE 802.3az EEE (Energy Efficient Ethernet).

Supported operating systems:
• Windows, macOS, Linux and Chrome OS.

Package contains:
• USB - Gigabit Ethernet adapter with fixed 15 cm long USB-A cable,
• multilingual manual CZ / DE / DK / ENG / ESP / FIN / FR / GR / HR / HU / IT / NL / PL / PT / RO / RU / SK / SWE / TR / BG / CN / ARA,
• packed in a cardboard box with a hanging hole.

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