

Axagon ADE-TRC SuperSpeed USB-C gigabit ethernet adapter

Model: ADE-TRC

Manufacturer: AXAGON

EAN: 8595247905574

Product Code: 514819

R855

The external network card AXAGON ADE-TRC easily converts USB-C 3.2 Gen 1 port to Gigabit Ethernet port.

It is compatible with 10/100/1000 Mbit/s transfer speeds. The Gigabit network adapter 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.

The network card with Gigabit bandwidth 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 virtual LAN (VLAN) and advanced Power Management features.

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The metal adapter cover is made of aluminum and provides perfect mechanical protection and excellent heat dissi-pation. Thanks to its compact dimensions and minimal weight, it is an ideal accessory for laptops. The support for current versions of Windows, Mac OS X, and Linux operating systems allows it to be used for any desktop, laptop or ultrabook.

In modern operating systems from Windows 8.1 above, the adapter allows easy automatic installation without the need for an Internet connection. Also some phones and tablets with the Android operating system, such as the Sam-sung S9 +, can be connected to the Internet with a network Ethernet cable thanks to this adapter.

Input:

• 1x USB 3.2 Gen 1 / SuperSpeed USB port, USB-C male connector.
• Backward compatible with USB 3.1 Gen 1 / USB 3.0 and USB 2.0.
• Compatible with Thunderbolt 3 interface.
• Supports transmission rates 5.000 / 480 / 12 / 1.5 Mb/s (SuperSpeed / High / Full / Low speed).
• Connecting USB type C male connector on a 15 cm long permanently attached cable.

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 Mbit/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.

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• 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 indicate the network activity and connection of the adapter to the USB and network.

• Dimensions 59 x 24 x 16 mm.

• Weight 26 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 OS:

• MS Windows XP / Vista / 7 / 8 / 8.1 / 10 and later, Windows Server 2003 / 2008 / 2012 / 2016 and later (supported are all 32 and 64-bit versions of Windows OSs), MacOS X 10.6 and later, Linux with

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kernel 2.6.14 and later, Android most versions (WARNING - check with the Android device manufacturer if the Ethernet connection is supported).

Package contains:

• USB - Gigabit Ethernet adapter with fixed 15 cm long USB-C cable,

• printed installation manual in 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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