

## Intel I210T1

# Intel I210-T1 Network Adapter E0X95AA User Manual

Model: I210T1

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Intel I210-T1 Network Adapter E0X95AA. The Intel Ethernet Server Adapter I210 is a PCIe Gigabit Ethernet network adapter designed for enterprise and data center environments, featuring Audio-Video-Bridging (AVB) support and power management technologies such as Energy Efficient Ethernet (EEE) and DMA Coalescing (DMAC).

## 2. PRODUCT FEATURES

- **Low-halogen single-port PCI-Express 10/100/1000 Ethernet adapter:** Provides reliable Gigabit Ethernet connectivity.
- **Advanced Power Management:** Includes Energy Efficient Ethernet (EEE), DMA Coalescing, and an ultra-compact design with a ventilated bracket for improved efficiency and reduced power consumption.
- **IEEE 802.1Qav Audio-Video-Bridging (AVB):** Supports tightly controlled media stream synchronization, buffering, and reservation for high-quality audio and video applications.
- **High-performing design:** Supports PCI Express Gen 2.1 2.5 GT/s for efficient data transfer.
- **Reliable Gigabit Ethernet Technology:** Built with Intel's proven and dependable Ethernet technology.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Intel I210-T1 Network Adapter
- Full-height bracket (pre-installed or included)
- Low-profile bracket (included for small form factor systems)



**Figure 3.1:** Intel I210-T1 Network Adapter with included full-height and low-profile brackets. The main adapter board is green with gold PCIe contacts, and the brackets are silver-colored metal.

## 4. SETUP AND INSTALLATION

Follow these steps to install the Intel I210-T1 Network Adapter into your computer system.

1. **Power Off System:** Completely shut down your computer and disconnect the power cord from the wall outlet.
2. **Open Computer Case:** Remove the side panel of your computer case to access the internal components.
3. **Select Bracket (if necessary):** If your computer uses a low-profile chassis, you may need to replace the pre-installed full-height bracket with the included low-profile bracket. To do this, remove the two small screws securing the full-height bracket to the adapter, carefully detach it, and then attach the low-profile bracket using the same screws.
4. **Locate PCIe Slot:** Identify an available PCI Express (PCIe) slot on your motherboard. The Intel I210-T1 adapter requires a PCIe x1 slot or larger.
5. **Insert Adapter:** Carefully align the adapter with the chosen PCIe slot and press down firmly until it is securely seated. Ensure the gold contacts are fully inserted into the slot.
6. **Secure Adapter:** Use a screw or the case's retention mechanism to secure the adapter to the computer chassis.
7. **Close Computer Case:** Reattach the side panel of your computer case.
8. **Reconnect Power:** Plug the power cord back into the wall outlet and power on your computer.

9. **Install Drivers:** Once the operating system loads, it may automatically detect and install the necessary drivers. If not, download the latest drivers from the official Intel website for the I210-T1 adapter and follow the installation instructions.

## 5. OPERATING INSTRUCTIONS

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After successful installation and driver setup, the Intel I210-T1 Network Adapter is ready for operation.

- **Connect Ethernet Cable:** Plug a standard RJ45 Ethernet cable from your network router, switch, or modem into the Ethernet port on the adapter.
- **Verify Connection:** Check the link/activity LEDs on the adapter's port. A solid green or amber light typically indicates a successful link, while a blinking light indicates network activity. Refer to your operating system's network settings to confirm the adapter is recognized and connected.
- **Configure Network Settings:** Depending on your network environment, you may need to configure IP settings (DHCP or static IP), DNS servers, or other network parameters through your operating system's network control panel.

## 6. MAINTENANCE

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To ensure optimal performance and longevity of your Intel I210-T1 Network Adapter, consider the following maintenance practices:

- **Driver Updates:** Periodically check the official Intel website for updated drivers. Keeping drivers current can improve performance, stability, and compatibility.
- **Dust Removal:** Ensure proper airflow within your computer case. Over time, dust can accumulate on components, potentially leading to overheating. Gently clean the adapter and surrounding areas with compressed air if dust buildup is observed.
- **Cable Integrity:** Regularly inspect your Ethernet cable for any signs of damage or wear. A damaged cable can lead to intermittent connectivity or reduced performance.

## 7. TROUBLESHOOTING

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If you encounter issues with your Intel I210-T1 Network Adapter, refer to the following troubleshooting steps:

- **No Link Light:**
  - Ensure the Ethernet cable is securely connected to both the adapter and the network device (router/switch).
  - Try a different Ethernet cable.
  - Verify that the network device is powered on and functioning correctly.
  - Check your operating system's Device Manager to ensure the adapter is recognized and enabled, and that there are no driver errors.
- **Slow Network Speeds:**
  - Ensure you are using a Gigabit-capable Ethernet cable (Cat5e or Cat6).
  - Verify that your network switch/router supports Gigabit Ethernet.
  - Update the network adapter drivers to the latest version from Intel's website.
  - Check for other network congestion or issues on your network.
- **Adapter Not Detected:**
  - Ensure the adapter is fully seated in the PCIe slot.
  - Try inserting the adapter into a different PCIe slot.
  - Check your system's BIOS/UEFI settings to ensure the PCIe slot is enabled.
  - Reinstall the drivers.

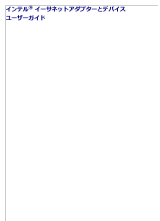


8. SPECIFICATIONS




Brand	Intel
Model Number	I210T1
Hardware Interface	PCI Express (PCIe)
Data Link Protocol	Ethernet, Gigabit Ethernet
Data Transfer Rate	1000 Megabits Per Second (1 Gbps)
Compatible Devices	Desktop PCs
Product Dimensions (LxWxH)	1 x 1 x 1 inches (approximate, actual dimensions may vary slightly with bracket)
Item Weight	1 Grams (approximate, 0.035 ounces)
UPC	025791166629, 887758430248, 065030850780

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, and additional resources, please refer to the official Intel website or contact Intel customer support directly. Specific warranty terms may vary by region and retailer.  
**Intel Support Website:** <https://www.intel.com/content/www/us/en/support.html>

Related Documents - I210T1

	<div>®</div> <div>®</div> <div>DCB iSCSI FCoE SR-IOV</div>
	<p><a href="#">Maintaining the Ethernet Link to the BMC During Server Power Actions</a></p> <p>This technical document from Intel's LAN Access Division details the Critical Session feature in Intel Ethernet Controllers. It explains how to maintain stable Ethernet link connectivity to the Baseboard Management Controller (BMC) during server power transitions, addressing issues caused by Spanning Tree Protocol (STP) and offering configuration guidance for optimal performance and power management.</p>
	<p><a href="#">Intel® Ethernet Controller Products 28.2 Release Notes</a></p> <p>This document provides an overview of the changes introduced in the latest Intel® Ethernet Controller/Adapter family of products, including new features, fixed issues, and known issues for release 28.2.</p>

	<p><a href="#">Intel PRO/Wireless LAN Mini PCI Adapter User Guide   Installation &amp; Configuration</a></p> <p>This user's guide provides comprehensive instructions for installing, configuring, and troubleshooting the Intel PRO/Wireless LAN Mini PCI Adapter. Learn about wireless LAN technology, security, and system requirements for Windows XP, 2000, Me, and 98SE.</p>
	<p><a href="#">Intel® Ethernet Controller Products 27.3 Release Notes</a></p> <p>Release notes for Intel® Ethernet Controller Products, version 27.3, detailing new features, supported hardware and software, operating system support, fixed issues, and known issues for Intel Ethernet adapters.</p>
	<p><a href="#">Intel PRO/Wireless LAN Mini PCI Adapter User's Guide</a></p> <p>User's guide for the Intel PRO/Wireless LAN Mini PCI Adapter, covering wireless LAN technology, adapter setup, software installation for Windows XP, 2000, Me, and 98SE, security, troubleshooting, and specifications.</p>