

## NiceTQ gdae

# NiceTQ USB 2.0 to RJ-45 Ethernet Adapter User Manual

MODEL: GDAE

## Introduction

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This manual provides instructions for the installation, operation, and maintenance of your NiceTQ USB 2.0 to RJ-45 Ethernet Adapter. This device allows you to connect your computer, such as a laptop or desktop, to a wired Ethernet network via a USB 2.0 port, providing 10/100 Mbps network connectivity.

## Key Features

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- **USB 2.0 Interface:** Connects to any available USB 2.0 port on your computer.
- **Ethernet Connectivity:** Provides a standard RJ-45 port for 10BaseT and 100BaseTX Ethernet networks.
- **Data Transfer Rate:** Supports Half/Full Duplex 10/100 Mbps operation.
- **Compliance:** Compliant with USB 2.0, IEEE 802.3 (10BaseT), and IEEE 802.3u (100BaseTX) Ethernet specifications.
- **Integrated Design:** Features an integrated Fast Ethernet MAC, physical chip, and transceiver.
- **Color:** Transparent blue casing.

## Setup Instructions

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1. **Connect the Adapter:** Insert the USB connector of the NiceTQ USB 2.0 to RJ-45 Ethernet Adapter into an available USB 2.0 port on your computer.
2. **Driver Installation:**
  - For most modern operating systems (Windows, macOS), the necessary drivers should install automatically upon connection (plug-and-play).
  - If automatic installation does not occur, you may need to manually install drivers. Refer to your operating system's documentation or the manufacturer's website for driver downloads if

required.

3. **Connect Ethernet Cable:** Plug a standard RJ-45 Ethernet cable from your router, modem, or network switch into the RJ-45 port on the adapter.
4. **Verify Connection:** Check your computer's network settings to confirm that the new Ethernet connection is recognized and active.



*Image: NiceTQ USB 2.0 to RJ-45 Ethernet Adapter. The transparent blue casing allows visibility of the internal circuitry.*

## Operating the Adapter

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Once installed and connected, the adapter functions as a standard wired network interface. Your computer will automatically detect the network connection and attempt to obtain an IP address via DHCP. You can then access network resources and the internet as you would with a built-in Ethernet port.

- **Network Status:** Monitor the network connection status through your operating system's network settings.
- **Data Transfer:** The adapter supports 10/100 Mbps speeds, suitable for general internet browsing, file sharing, and streaming.

## Maintenance and Care

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- **Keep Clean:** Gently wipe the adapter with a dry, soft cloth to remove dust. Avoid using liquid cleaners.
- **Avoid Physical Damage:** Do not bend, drop, or expose the adapter to excessive force. Protect the USB connector and RJ-45 port from damage.
- **Temperature and Humidity:** Store and operate the adapter in a dry environment within normal room temperature ranges. Avoid extreme heat or cold.
- **Proper Disconnection:** Always remove the adapter by pulling the USB plug directly, not by pulling the cable.

## Troubleshooting

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- **No Network Connection:**
  - Ensure the adapter is firmly plugged into a working USB port.
  - Verify the Ethernet cable is securely connected to both the adapter and your network device (router/modem).

- Check your computer's network settings to ensure the Ethernet adapter is enabled.
- Restart your computer and network equipment (router/modem).
- **Slow Connection Speed:**
  - Confirm your Ethernet cable is rated for 100 Mbps (Cat5e or higher).
  - Ensure your network equipment (router/modem) supports 100 Mbps speeds.
  - Check for other network activity or applications consuming bandwidth.
- **Driver Issues:**
  - If the adapter is not recognized, try connecting it to a different USB port.
  - Check Device Manager (Windows) or System Information (macOS) for unrecognized devices and attempt to update drivers.
- **Multiple Adapters on the Same Network:**

**Important Note:** This adapter model (based on the Advent DM9601 chip) may share the same MAC address (e.g., 00:e0:4c:53:44:58) across multiple units. If you attempt to use two such adapters on the same local network simultaneously, your router may not be able to distinguish between them, leading to network conflicts or instability. It is recommended to use only one of these specific adapters per local network.

## Technical Specifications

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<b>Brand</b>	NiceTQ
<b>Model Number</b>	gdae
<b>Hardware Interface</b>	USB 2.0, Ethernet (RJ-45)
<b>Data Link Protocol</b>	Ethernet, Fast Ethernet, IEEE 802.3, USB
<b>Data Transfer Rate</b>	10/100 Megabits Per Second (Mbps)
<b>Compatible Devices</b>	Desktop, Laptop
<b>Compatible OS Family</b>	MacOS, Windows
<b>Color</b>	Transparent Blue
<b>UPC</b>	886489438981, 683728208363

## Warranty and Support

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For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact the retailer/manufacturer directly. Keep your purchase receipt as proof of purchase.