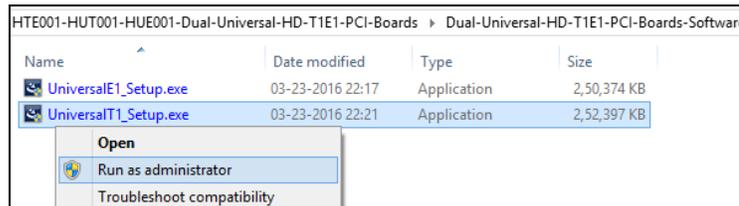


**Normal Instructions – Follow these precisely**

DO NOT INSERT Universal PCI T1/E1 Board into the PCI slot on the PC

Perform Software installation first, followed by Hardware Licenses installation, and then Dongle Licenses installation.

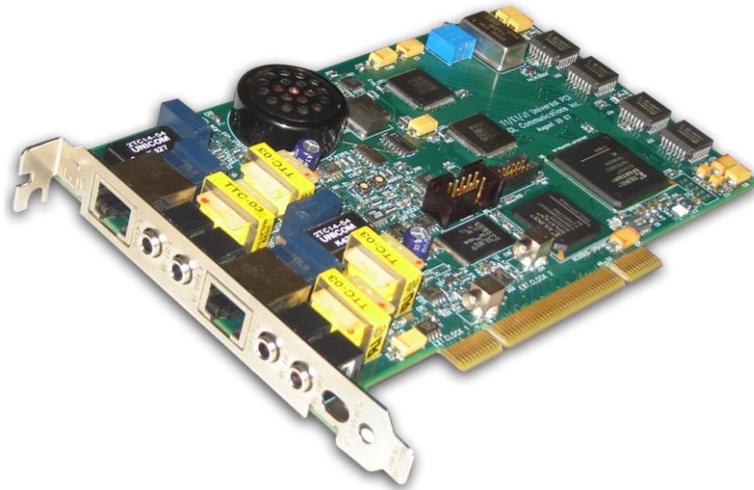
- System Requirements
  - Windows® 10 operating system.
  - Core i3 to i7 or equivalent, 4 GB Memory, USB 2.0/USB 3.0 Port, Mother board with PCI slot.
  - Ensure that the system has latest Windows® updates and service packs installed.
  - PCs which include GL hardware/software require Intel or AMD processors for compliance.
- Plug-in the **USB Installation Stick** (pen drive) to the PC. This is provided with the shipment package by **GL Communications**.
- Navigate to **\HTE001-HUT001-HUE001-Dual-Universal-HD-T1E1-PCI-Board \Dual-Universal-HD-T1E1-PCI-Boards-Software** folder, execute **UniversalT1(E1)\_Setup.exe** in **Run as Administrator** mode.



**Note:**

- On Windows 64-bit PC, installer will prompt you to choose between 32-bit or 64-bit Universal installation. Choose appropriate option and continue with the installation.
- Follow onscreen instructions, the device driver for the new hardware is automatically loaded but not installed as the **Universal PCI board** is not yet inserted to the PC.
- Execute **GLHWLicenseInstaller.exe** from the **USB Installation Stick** to install hardware licenses.
- (Optional Step) Execute **GLLdkDongleLicenseInstaller.exe** to install Dongle Licenses (if necessary). Connect the USB dongle if included in your purchase.

## Hardware Installation

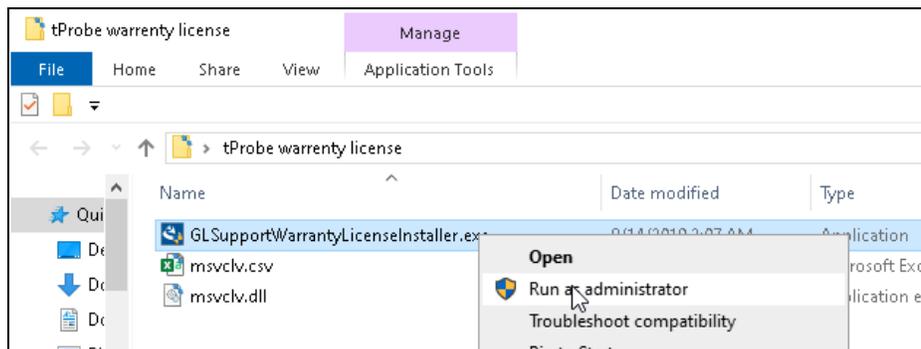


**Dual HD Universal T1 E1 PCI Card**

- With the completion of software installation, shut down the PC completely. Unplug the power cord, remove the external casing of the PC, and insert the GL's Universal T1/E1 Main board in the PCI slot.
- Verify that the card is installed properly and switch ON the system.
- The Universal T1/E1 board is recognized, and the hardware device driver is installed at this point.
- For functional verification, refer to **T1E1-Dual-Universal-HD-Analyzer-Quick-Verification-Guide** provided by GL Communications Inc. in the USB pen drive.

## Warranty License Installer

- Users must install the **Warranty License** for the software to run.
- Navigate to root directory in **USB installation stick** (pen drive) to **\Warranty\_LicenseInstaller** folder, execute **GLSupportWarrantyLicenseInstaller.exe**. Follow the onscreen instructions and complete the installation.





## Troubleshoot

If you did not follow the above instructions in the given sequence, troubleshoot using the steps below

- If you have inserted the Universal T1/E1 board on the PCI slots prior to installing the software, then the proper USB device driver will not be installed. Users have to search for the driver and install it manually. Follow the below steps:
  - Go to **Control Panel**→**System**→**Device Manager**
  - Verify that there is an entry with “!” mark against the T1/E1 Analyzer unit
  - Right click on the device, click **Update Driver** option, and choose **Browse My Computer For Driver Software**
  - For 64-bit installation, navigate the path to Universal T1/E1 installation folder under the **C:\Program Files\GL Communications Inc\Universal T1 Analyzer\Univ\_Drivers**. The driver should then be found, and the device driver loaded and installed
  - For 32-bit installation, navigate the path to Express T1/E1 installation folder under the **C:\Program Files (x86) \GL Communications Inc\Universal T1 Analyzer\Univ\_Drivers** directory. The driver should then be found, and the device driver loaded and installed
  - If you are still having problems, please refer to detailed installation instructions in the USB stick (**HTE001-HUT001-HUE001-Dual-Universal-HD-T1E1-PCI-Boards\Dual-Universal-HD-T1E1-PCI-Boards-Documents\T1E1-Dual-Universal-HD-Analyzer-Installation-Guide.pdf**)
- If the optional software is not activated, you may have not installed the **Hardware licenses** or **Dongle licenses**. You can do so as explained in the above section at any time after installing the software.
- Ensure that the additional **Warranty License** has been installed or if the Warranty License has been installed already, please contact GL to renew the warranty license.



- If you are still having issues or have any other related questions, please contact GL Communications Inc.