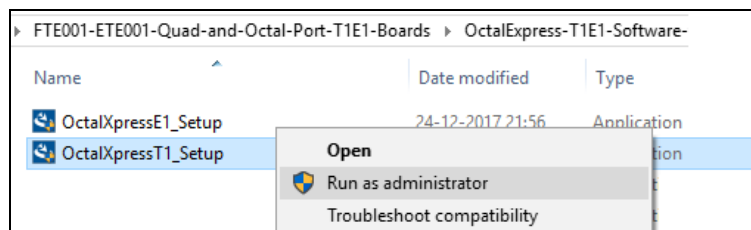## Normal Instructions – Follow these precisely

DO NOT INSERT Octal/Quad PCIe T1 E1 Board into the PCIe slot on the PC.

Perform Software installation first, followed by Hardware Licenses installation, Warranty License installation and Dongle Licenses installation (optional).
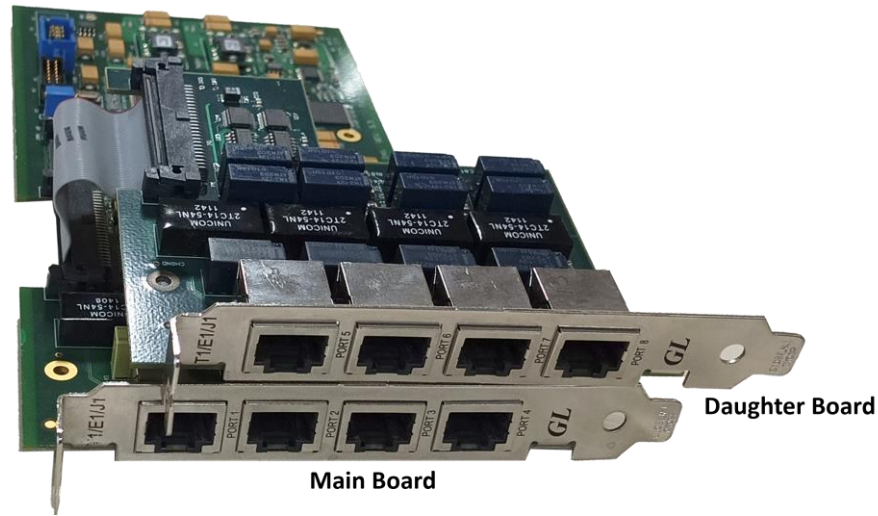
- System Requirements:
    - Windows® 10 and above operating system.
    - Core i3 to i7 or equivalent, 4 GB Memory, USB 2.0/USB 3.0 port, Mother board with PCIe slot.
    - Ensure that the system has the latest Windows® updates and service packs installed.
    - PCs which include GL hardware/software 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 **\FTE001-ETE001-Quad-and-Octal-Port-T1E1-Boards\OctalExpress-T1E1-Software** folder, click on the **OctalXpressT1(E1) _Setup.exe** and select **Run as Administrator**.

> 📄 **Note:**
> - On Windows 64-bit OS, installer will prompt options to select 32-bit or 64-bit OCTAL installation. Choose appropriate option and continue with the installation.

- Follow onscreen instructions to complete the software installation. The device driver for the new hardware will be automatically loaded when the Octal/Quad PCIe board is 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.
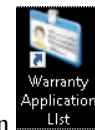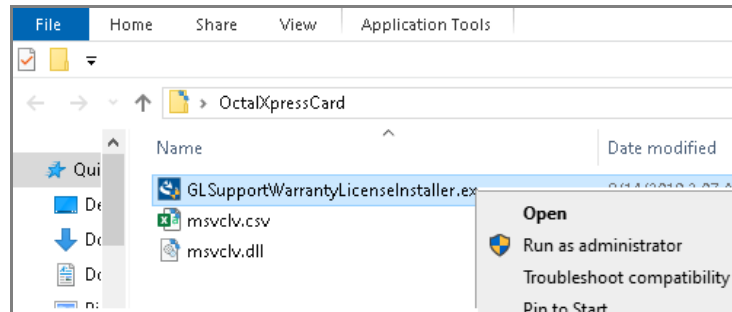
Hardware Installation
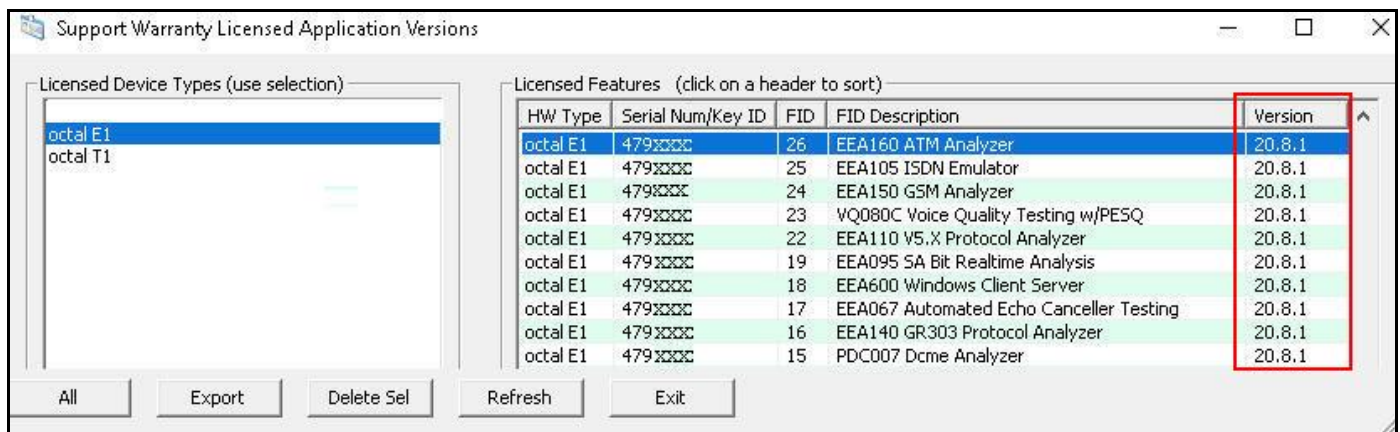

Daughter Board
Main Board

- With the completion of software installation, shut down the PC completely. Unplug the power cord, remove the external casing of the PC.

- Insert the GL's Octal/Quad T1 E1 board in the PCIe slot.

- Verify that the card is installed properly and switch ON the system.

- The Octal/Quad T1 E1 board is recognized, and the hardware device driver is installed at this point.

- For functional verification of **Octal T1 E1 Analyzer** refer to **T1E1-Quad-and-Octal-Port-Analyzer-Quick-Verification-Guide.pdf** 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.

- To confirm that the warranty is installed properly, double-click on **Warranty Application List** icon created on the desktop. This will display the list of warranty applications which are purchased.

- Users can check the Warranty expiry date in the **Version** column that is **20.8.1** (i.e., 2020 August 1st), and can verify the date to be as expected (depending on the support warranty purchased).

📋 **Note:**
- All the T1 E1 Quad and Octal Port Analyzer software versions continue to operate normally. But any latest software updates after warranty period will not be available until warranty licenses are renewed.

Troubleshoot

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

- If you inserted the Octal/Quad T1 E1 board on the PCIe slots prior to installing the software, then the proper USB device driver will not be installed. Users must search for the driver and install it manually. Do the following:

  ➢ 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 Octal/Quad T1 E1 installation folder under the **C:\Program Files\GL Communications Inc\Octal Xpress T1 Analyzer\Octal_Drivers**. The driver should then be found, and the device driver loaded and installed.

  ➢ For 32-bit installation, navigate the path to Octal/Quad T1 E1 installation folder under the **C:\Program Files (x86) \GL Communications Inc\Octal Xpress T1 Analyzer\Octal_Driver's** 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 (**FTE001-ETE001-Quad-and-Octal-Port-T1E1-Boards\OctalExpress-T1E1-Documents\T1E1-Quad-and-Octal-Port-Analyzer-Installation.pdf**).

- If the optional software is not activated, you may not have installed the **Hardware licenses** or **Dongle licenses**. You can do so as explained in the above section at any time after installing the software.

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