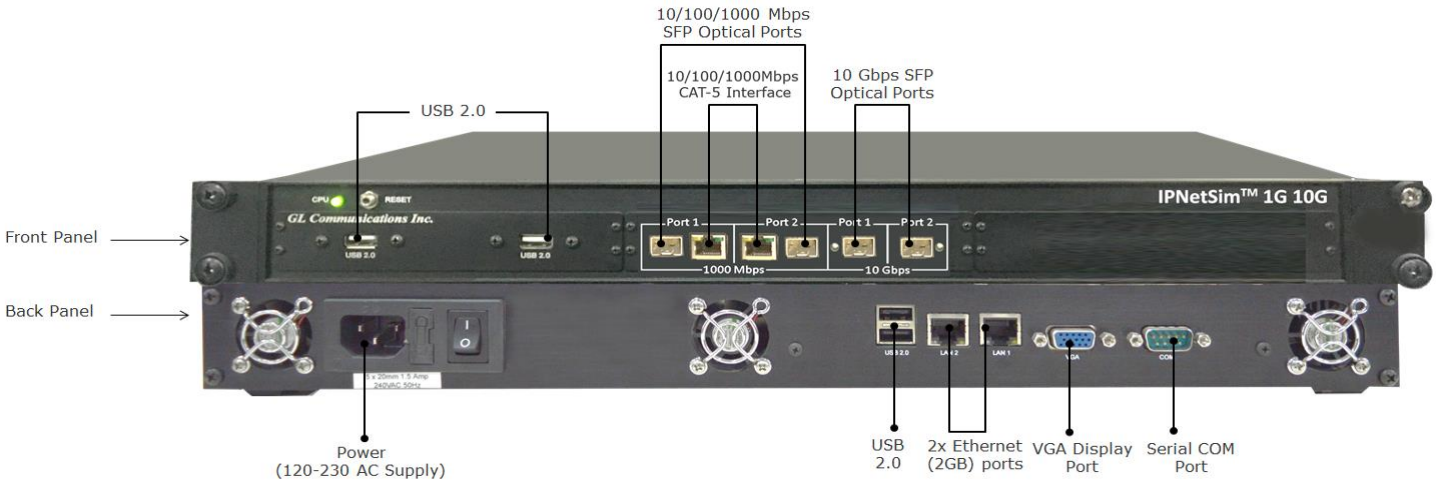
*For the purchased **IPNetSim™ 1G10G (IPN502)** product, you will receive a 1U rackmount network appliance with all the necessary PC interface, Operating System, and IPNetSim™ device. The appliance also includes required IPNetSim™ software, and licenses pre-installed. And therefore, you will need to only plug-in the monitor, keyboard, mouse, connect the network appliance to the power outlet and then power on the appliance.*

About IPNetSim™ 1G

IPNetSim™ 1G10G (**IPN502**) has two 1G optical ports and two 1G Electrical ports w/ Embedded Single Board Computer (SBC). SBC Specs: 19" 1U Rackmount Enclosure, Intel Atom CPU, 4GB RAM, Windows 7 (32 bit), MSATA SSD, 2 USB Ports.

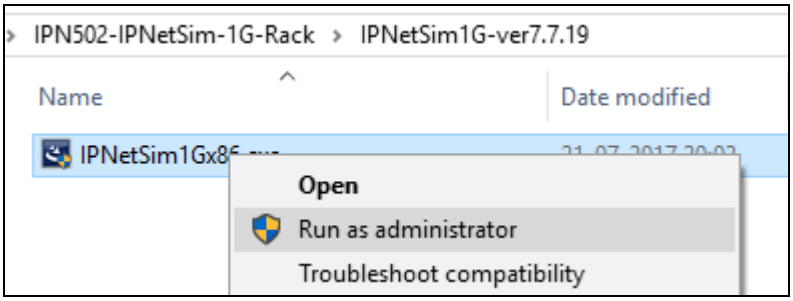


Software Upgrade

- Connect IPNetSim™ hardware appliance to power adapter and connect the power adapter to the AC power outlet.
- Switch ON the IPNetSim™ hardware appliance.
- Check that the CPU LED is glowing on the Hardware appliance, indicating that power supply is correct
- Connect the Monitor to the IPNetSim™ appliance after powering on the unit.

- Plug-in the USB installation stick (pen drive) provided with the shipment package by GL Communications.
- From the USB installation stick (pen drive), navigate to folder \IPN502-Rack-IPNetSim\IPN502-Rack-IPNetSim-Software-verXX. Right-click on **IPNetSim1G.exe**, and select "**Run as administrator**".

Note: DO NOT execute **IPNetSim1Gx64.exe** as IPNetSim™ rack hardware appliance is on Windows 7 32-bit OS.



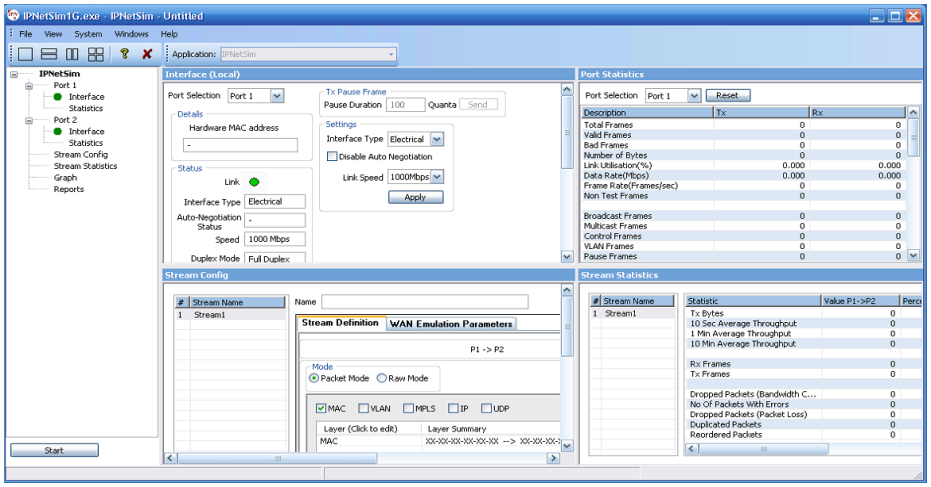
- Follow the onscreen instructions to complete the software installation.

Note: After IPNetSim™ software installation, user may be prompted for additional Winpcap installation. Please make sure to install it as well.

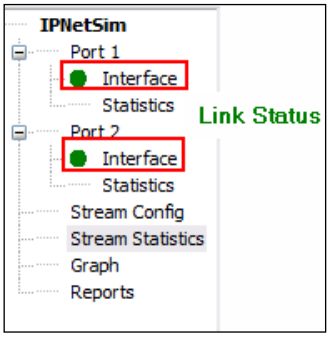
Quick Checkout

- Double click on the IPNetSim1G shortcut icon created on the desktop and the application should invoke without any errors and display the screen as shown below.

Note: The application may take some time to get started due to hardware and software initializations.



- On launch of **IPNetSim™ 1G** application, a default configuration file is automatically loaded with the pre-configured settings.
- For 1G Optical Interface Type, plug-in SFP Transceivers to the optical ports and connect LC optical cable from 1G Port 1 & 1G Port 2.
- Similarly, for Electrical test type, cross connect Port 1 and Port 2 in loopback with Electrical RJ-45 cables.
- Verify the **Green LEDs** lit on both ports indicating that the Link Status is UP (refer to figure). If the LED shows red (refer to the figure), then link is down.
- To perform further tests, refer to IPNetSim™ 1G-IPN502 Quick Verification Guide.



Troubleshoot

On Launching IPNetSim™ 1G, if you get the following error message, troubleshoot using the steps below:

- Ensure that the Power Adapter is connected to the IPNetSim™ appliance and to the AC Power on the strip or Wall. Ensure that the Power Strip is ON.
- Make sure that IPNetSim™ 1G is launched in Administrator Mode. Follow the Quick Checkout section explained above, and make sure that the application is launched in Administrator mode (Right-Click and select "**Run as Administrator**").
- Press **Reset CPU** button manually (available on the front panel of the device) for no display or other related problems.
- For any further queries, please contact GL Communications Inc at info@gl.com.