

From the world leaders in universal docking, DisplayLink's UEFI BIOS support extends the benefits of DisplayLink's USB technology to the pre-boot environment. With BIOS Support, network connectivity and external displays are available for use before the OS has loaded, transforming laptops into fully-functional desktop PCs with a single USB connection.

The Graphics Output Protocol (GOP) driver enables display of BIOS and full disk encryption pre-boot screens on any external monitors connected via a DisplayLink-powered dock. With the PXE boot driver, docked devices no longer require a direct Ethernet connection to load an OS image from a networked location. Both drivers are packaged into a single binary for a minimal footprint that can be deployed to manage PCs via Windows 10 UEFI update capsules.

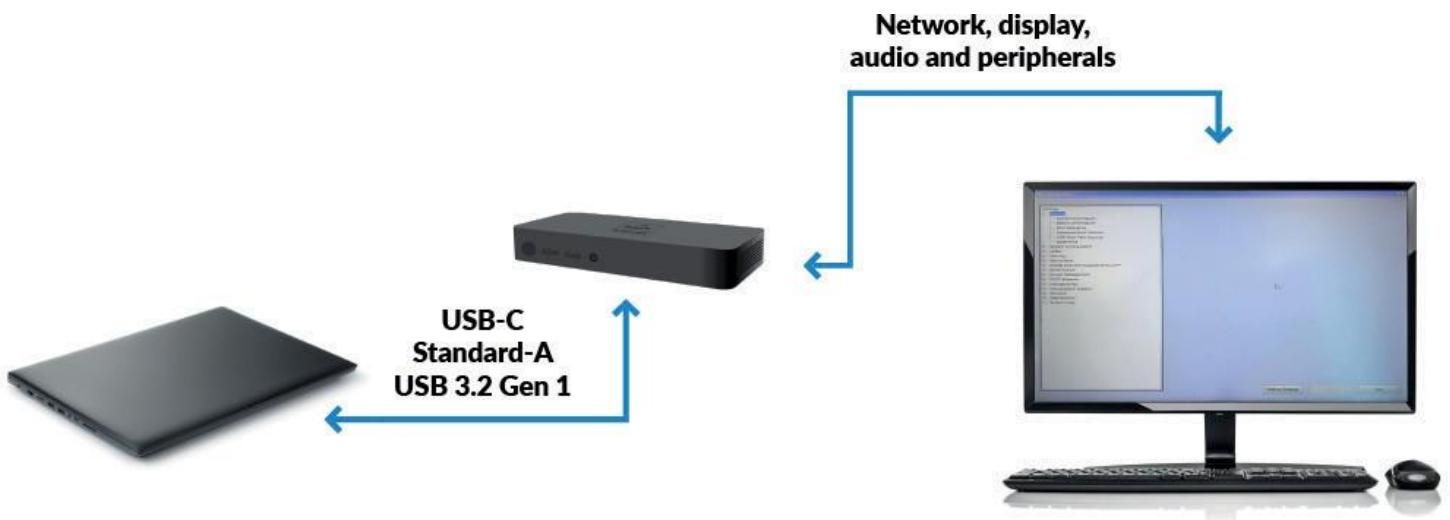
Pre-Boot Displays

DisplayLink technology ensures laptop users can access the full benefits of a desktop setup over a single USB connection to a DisplayLink dock. The flexibility and benefits of laptop computing bring a need for greater security to protect corporate data, including pre-OS applications such as full disk encryption. Users therefore need access to pre-boot screens when turning on their devices. DisplayLink's GOP driver allows external displays to behave like desktop monitors, with BIOS and full disk encryption pre-boot screens displayed at standard resolution so that users can interact via connected peripherals rather than having to open their laptop to get started.

The GOP driver has been successfully tested with Check Point Full Disk Encryption. To discuss certification with other pre-OS security applications, contact your DisplayLink representative.

Features

- Display BIOS and full disk encryption pre-boot screens on external monitors
- Load OS images from networked PXE server over USB to connected dock
- Wake docked devices from S4 and S5 power states
- Available for Phoenix, AMI and Insyde BIOSes
- Tested against UEFI specification versions 2.5, 2.6 and 2.7
- Deployable via Windows 10 UEFI update capsules
- Small footprint drivers provided as single binary image (32kb)
- GOP driver compatible with Checkpoint Full Disk Encryption
- PXE boot suitable for DL-3000, DL-5000 and DL-6000 series devices
- GOP suitable for DL-6000 series devices

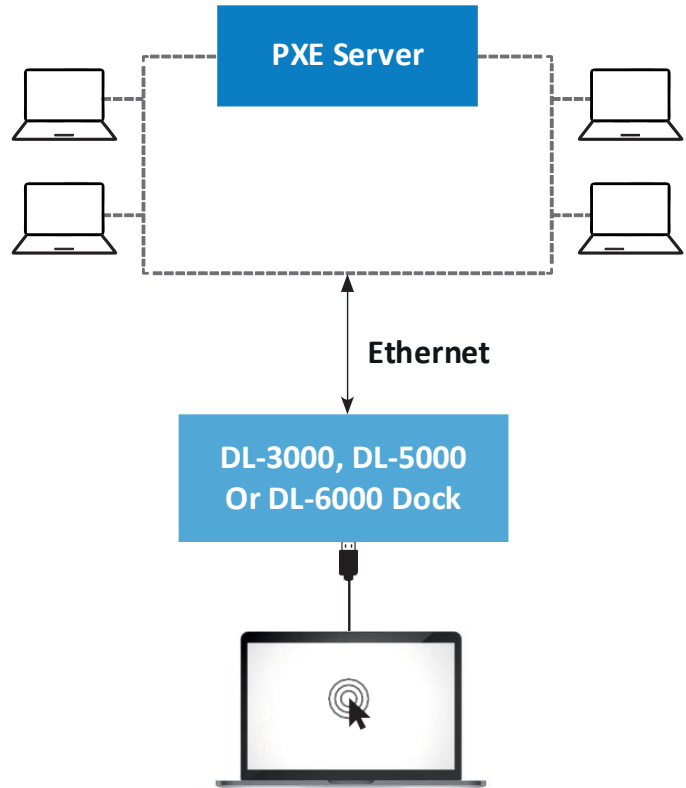


Pre-OS Network over USB

The PXE boot driver enables corporate IT departments to manage docked devices remotely with no additional connections. With a DisplayLink-powered dock, Gigabit Ethernet, multi-channel audio and high-fidelity displays are all delivered over a single USB connection. The PXE boot driver leverages the network connection from the USB-connected dock before the device OS has booted, enabling a new OS image to be loaded from a PXE server on the network. With support for waking machines from hibernate (S4) and shutdown (S5) states, the PXE boot driver allows full remote management of docked devices (subject to host PC support).

Custom MAC addresses can be applied using the standard UEFI interface for easier management of corporate hardware. If required, the DisplayLink Ethernet driver can be extracted and deployed to the new OS image for continued network connectivity after the OS has loaded.

Please contact your DisplayLink representative for more information.



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