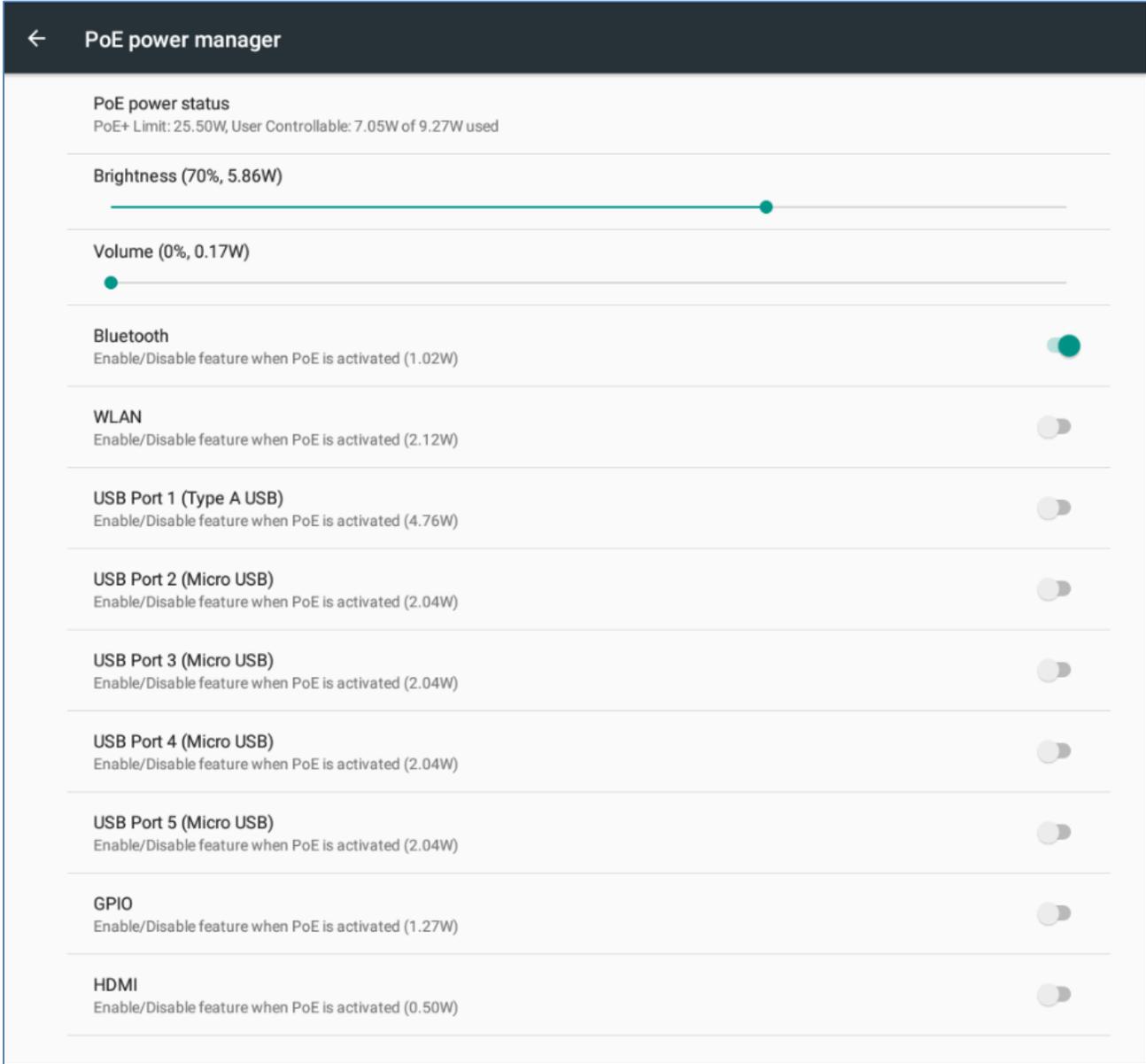


PoE Power Manager and I-Series 2.0/3.0 USB Port Functionality

Beginning with Khaki (3.44.34), the Elo software team introduced the concept of PoE power management and began bundling a device-side applet located in Android Settings called "PoE Power Manager."



If a device boots up under PoE power, the manager becomes active and determines how to manage the following features based on power consumption requirements: Brightness, Volume, Bluetooth, Wi-Fi, USB Ports 1-5, GPIO and HDMI.



Here is a quick reference chart which shows the available configurations based on product type:

Available Features – When using the POE Module with the I-Series 2.0 for Android

	10 Value	15 Value	10 Standard	15 Standard	22 Standard
Micro SD Card	Available	Available	Available	Available	Not Available
WiFi	Not Available	Not Available	Not Available	Not Available	Not Available
Bluetooth	Available	Available	Available	Available	Available
Camera	Not Available	Not Available	Available	Available	Not Available
Touch	Available	Available	Available	Available	Available
Audio	Available	Available	Available	Available	50% (user selectable)*
Ethernet	Available	Available	Available	Available	Available
USB Peripheral Ports	Not Available	Not Available	1 port (user selectable)**	1 port (user selectable)**	1 port (user selectable)**
USB 3.0 Type A	Available	Available	Not Available	Not Available	Not Available
HDMI Out	Not Available	Not Available	Not Available	Not Available	Not Available
GPIO	Available	Available	Available***	Available***	Available***

* Audio - if enabled, will be limited to 50% volume
 ** USB Peripheral Ports - 1 side peripheral port can be enabled
 *** The 5V power pin is disabled when using PoE
 Note: when using PoE with the 21.5 i-series 2.0, brightness will be limited to 70%

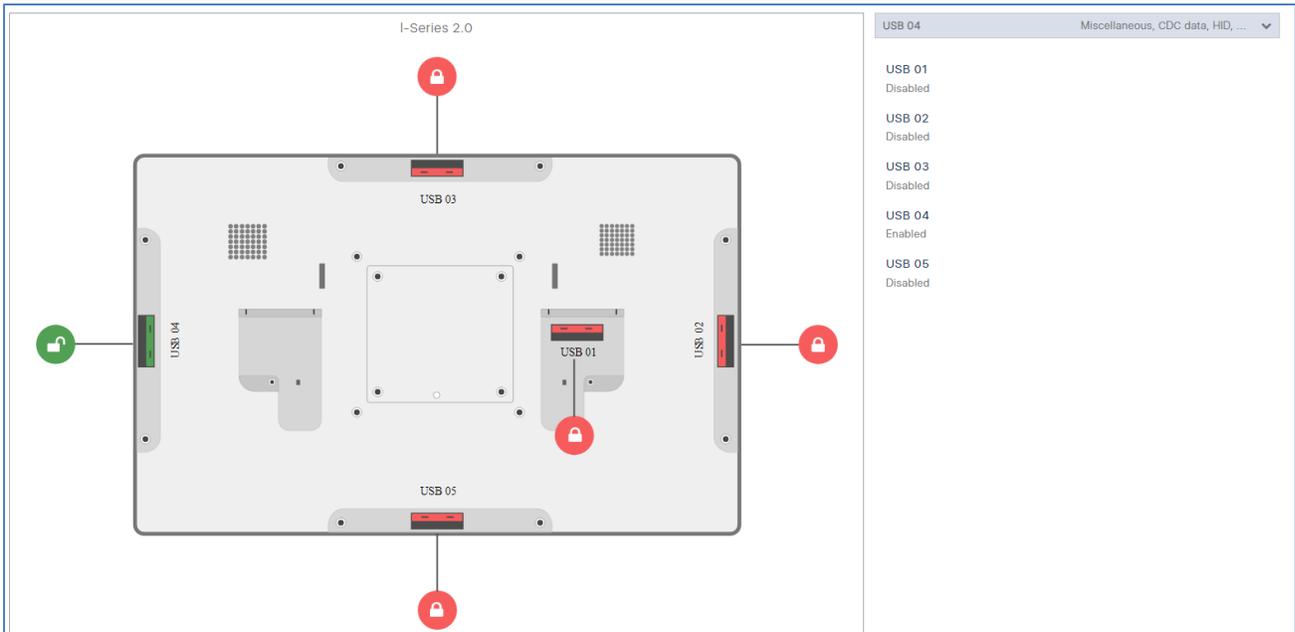
A common issue you may notice is when updating to Khaki/K1, the USB ports become disabled and connected peripherals disconnect - regardless of what the Peripheral Configuration in EloView Portal may say.

With the addition of PoE Power Manager in Khaki/K1, devices will switch (by default) to all USB ports disabled when running under PoE power. Even if you have an existing group or device configuration, it will be ignored as the EloView Portal -> Peripheral Configuration tab will look the same before the OTA update was complete. To correct this mismatch of settings, you must determine which port will be in use.

At this stage, you have the following: device-side USB ports are all disabled, EloView Portal settings will likely be incorrect and reflect your previous configuration.

Using the 22" device as an example, only **one** USB port can be active when powered under PoE.

To correct the mismatch of settings, users must identify which port they want active and disable all other ports from EloView Portal -> Peripheral Configuration. This action will send a refresh to the device and re-align the device(s) to match Portal UI.



If performed correctly, the PoE Power Manager will properly reflect the enabled port and the USB peripheral will be connected again. See above image for an example of Port 4 active with 2D Barcode Scanner connected.

Most importantly, if you attempt to enable more ports than allowed by PoE Power Manager from EloView Portal, the request will be ignored entirely, and nothing will work. Some users may choose to tweak settings at the device-level to allocate additional wattage so more than one port is allowed. This is possible, but it would require hands-on interaction with the device and cannot be modified remotely in EloView.