Q: What does the USB-PDI™ do?

A: The USB-PDI™ is an adapter for BYOM laptops combining Power, USB and HDMI into a single full function USB Type-C connection. This solution also passes USB camera video and bi-directional audio, as well as extracts USB-C DisplayPort Alt-mode video from the laptop USB-C into the HDMI output. The USB-PDI™ can also be connected to our RTK-PLUS™, RTK-PRO™, RTK-X57™ and RTK-MINI™ series for a single cable user experience.

Q: How is the Power In port used?

A: The Power In port is a USB-C jack intended to be connected to an off-the-shelf USB-C power supply. The USB-PDI™ will pass this power to the Full Function USB Type-C connector output on the back of the device, up to 60W.

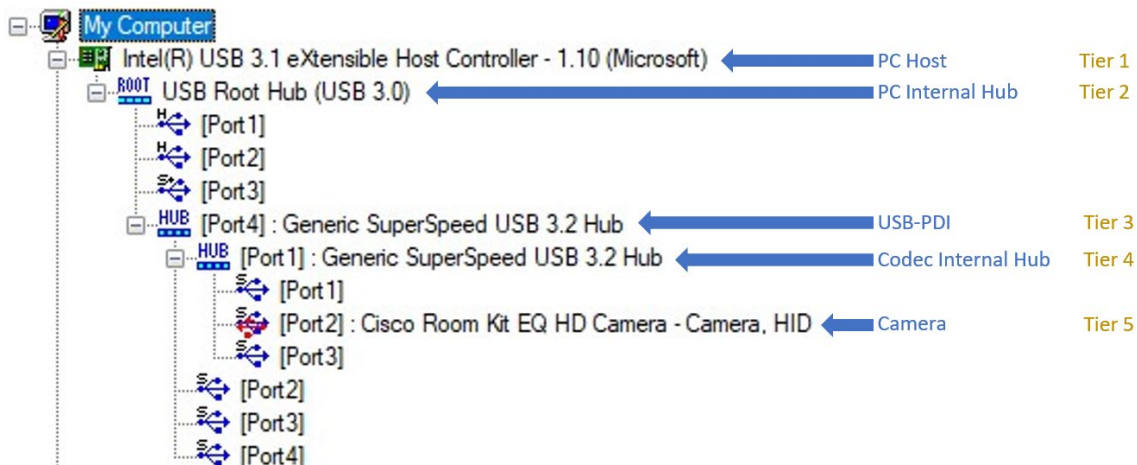**Q:** What type of USB-C power supply should be used?

A: We recommend using a 65W power supply to adequately power the USB-PDI™ and a majority of guest laptops. The USB-PDI™ will negotiate appropriately and only pass 60W to the Full Function USB Type-C connector.

Q: How is the USB-A Data port used?

A: The USB-A port is designed to connect to USB device(s), either directly or through an SCT RemoteTableKit™. These devices will most commonly include a camera, microphone, and speakers.

Q: How many USB tiers does the USB-PDI™ use?

A: The USB-PDI™ will use up one tier (hub) in the USB hierarchy. Be aware that many computers will use up two tiers internally, and the attached 3rd party device will use at least another tier. Seven total tiers is the maximum allowed per the USB specification, so take care to design your systems appropriately. Software programs such as UsbTreeView (freeware by Uwe Sieber) can be a useful tool in verifying tier structure. Below is a typical example of a codec connected through the USB-PDI™ into a host PC:

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Q: What do the LEDs indicate?

A: The LEDs provide a good way to tell if the system is wired correctly and operating normally. Refer to the chart below for details.

LED LABEL	ACTIVE STATUS	INDICATES
Power	Solid Green	Good Power
FW	Blinking Green	Good Firmware