

iTrans U3-PIC

USB-C 3.0 Power Injector Hub

Datasheet V1.0





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1. ITRANS U3-PIC

The INFOBIT high-performance power injector- **iTrans U3-PIC** delivers up to 100W of charging power to laptops over USB-C, while passing USB 3.1 Gen 2 (some time called USB 3.0) data and DisplayPort Alt Mode support for video output. It's a true single-cable solution, designed for BYOD/BYOM spaces that demand simple, reliable access to power, devices, and displays. Locking USB-C ports ensure secure connections, and included mounting ears make installation easy under tables.

2. FEATURES

- Single USB-C cable BYOD/ BYOM laptop connection.
- Adds Power Delivery PD3.0 to standard USB-C or Active Optical Cables (AOC) up to 100W
- 4Lan USB C fully featured
- PD+Data Out USB Type-C: Locking USB-C jack supporting USB Video, audio, power, and DisplayPort Alt-mode 4K60 4:4:4 video
- USB Pass-through Support: USB 3.1 Gen 2 (10Gbps)
- Power Input: USB-C, 20V@5A
- Firmware can be upgraded via USB-C
- Extend Full-featured USB C
- Removes the need for users to carry their own bulky power bricks
- Designed for home workspace, huddle space, medium to large meeting room.
- With under-table mounting ears.

3. SPEC

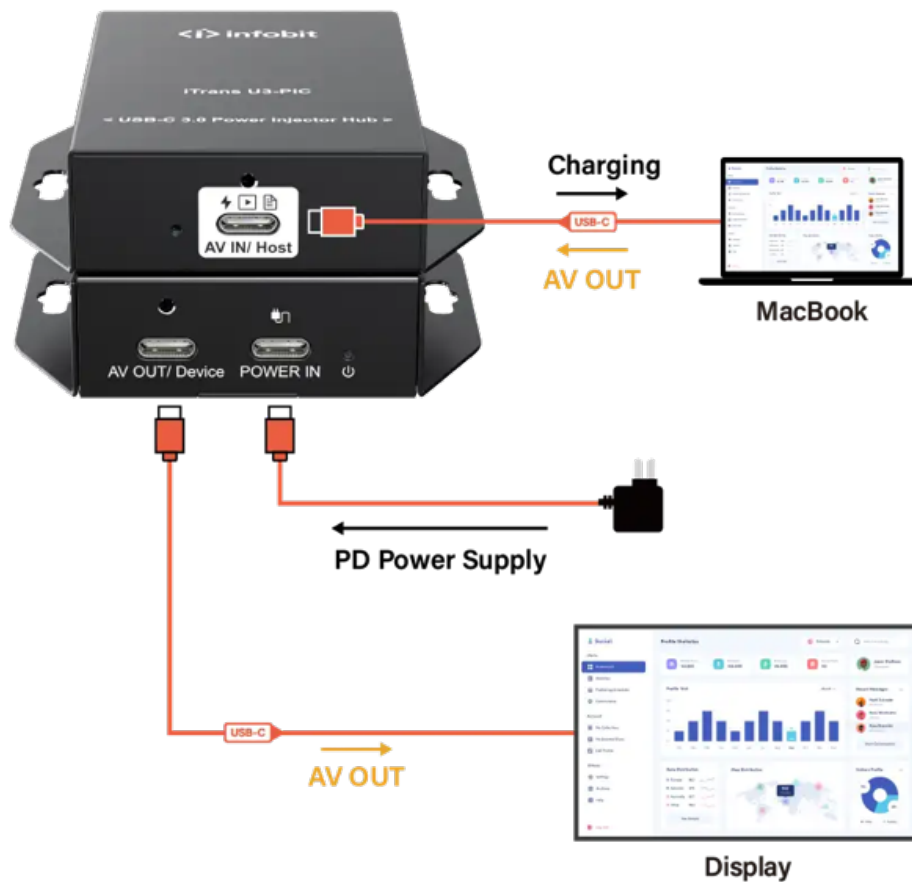
Model	iTrans U3-PIC
Name	USB-C 3.0 Power Injector Hub
Input	1x USB-C
Output	1x USB-C

Video	Input: Up to 4K@60Hz 4:4:4 Output: Up to 4K@60Hz 4:4:4 (4Lan USB C)
USB	Data Rate: 10 Gbps Device Power: 5V3A
PD Standard	PD 3.0
Power Consumption	1W (Exclude USB device load)
Dimension	54(W) x 20(H) x 80(D) mm
Net Weight	130g
Operation Temperature	-5 ~ +55 °C
Storage Temperature	-25 ~ +70 °C
Relative Humidity	10% ~ 90%

4. DIAGRAM

4.1 HOME WORKSPACE

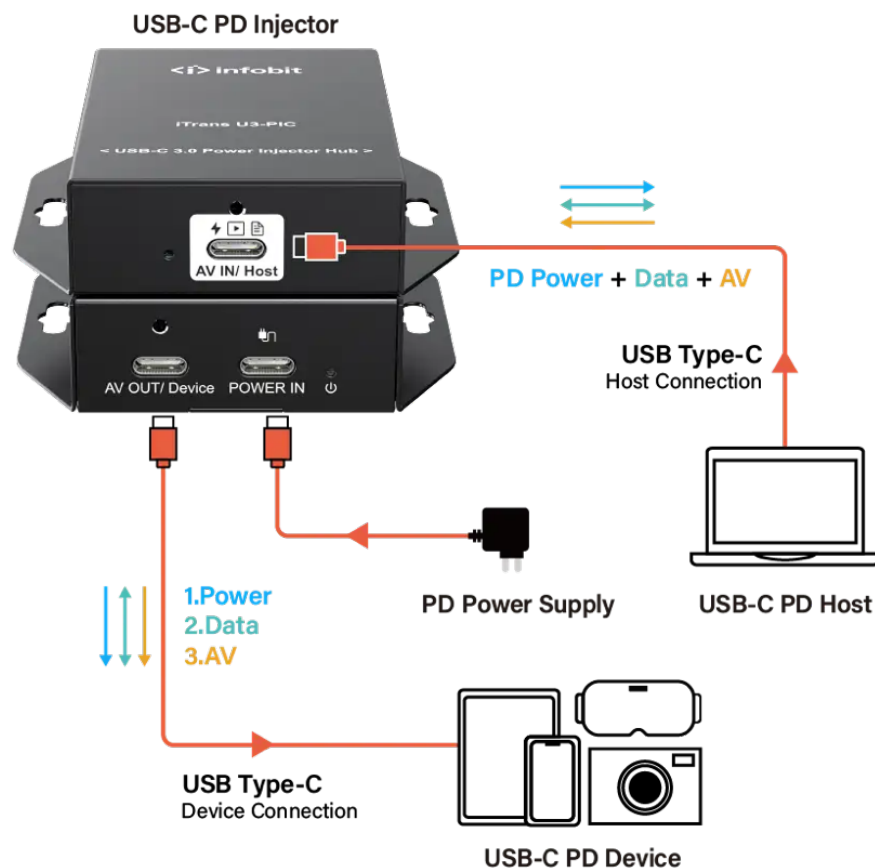
< Ultimate Single-Cable Home Workspace >



This compact USB-C power injector hub expands your laptop setup. It simultaneously charges your MacBook, outputs high-definition video to an external display, and provides stable, dedicated power delivery.

4.2 HUDDLE ROOM

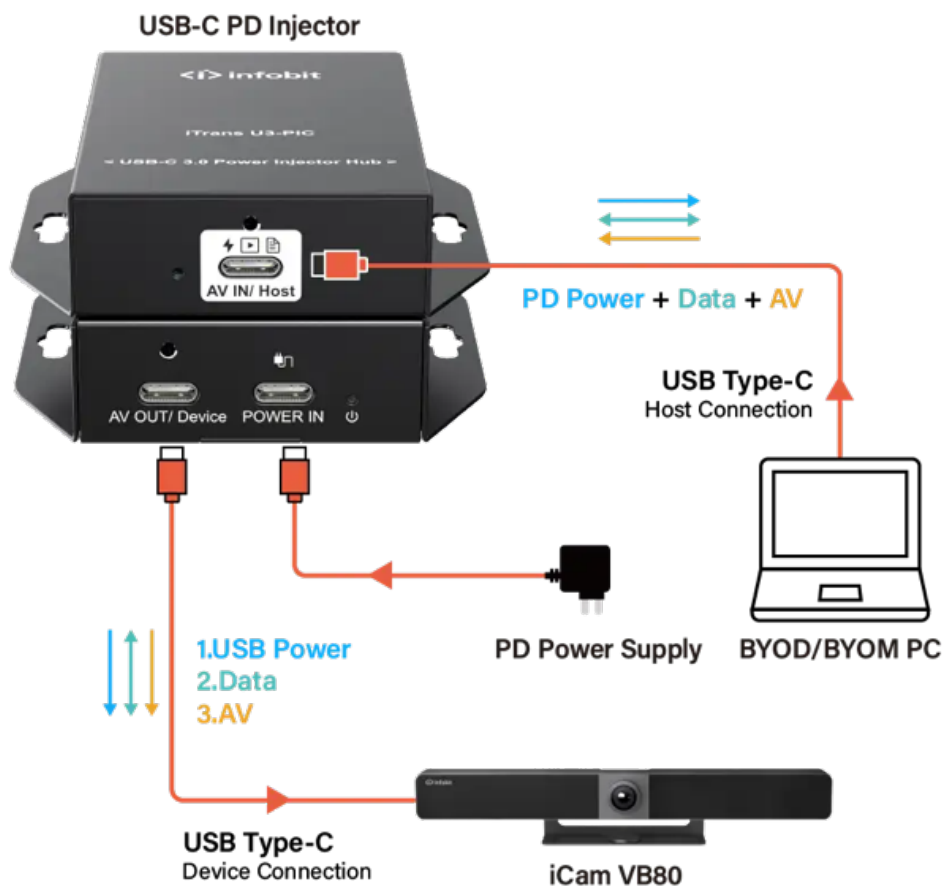
< Seamless Huddle Room Integration >



This USB-C PD injector optimizes compact meeting spaces. It extends data and AV signals to connected conference devices while delivering reliable Power Delivery back to the presenter's host PC.

4.3 SMALL MEETING ROOM WITH VIDEOBAR

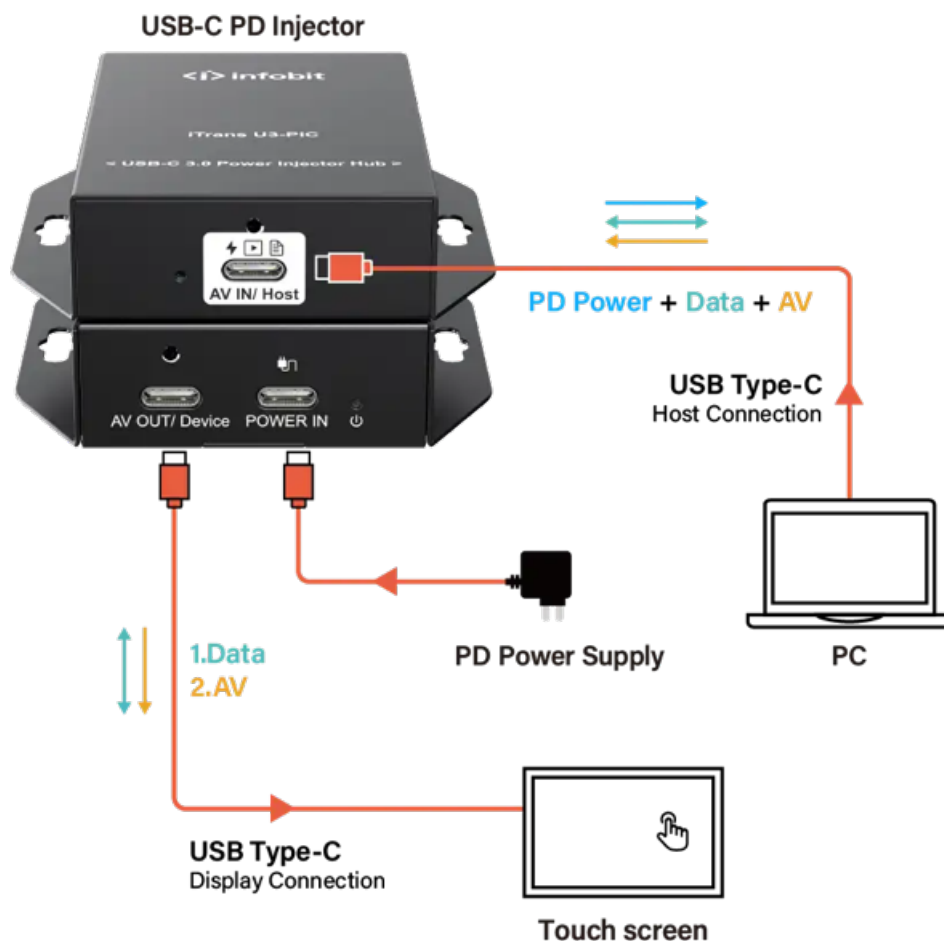
< Pro BYOM Videobar Connectivity >



This USB-C PD injector elevates small meeting rooms. It bridges BYOD/BYOM PCs directly to smart videobars, seamlessly routing high-speed camera data, AV streams, and laptop Power Delivery through a single hub

4.4 SMALL MEETING ROOM WITH TOUCH SCREEN

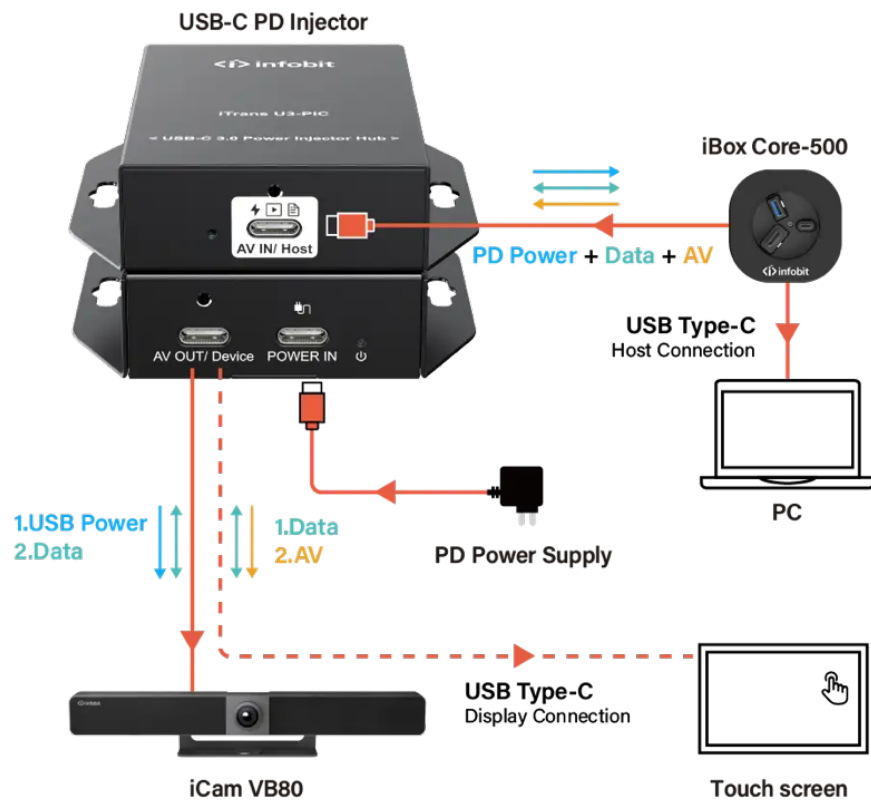
< Interactive Touch Screen Collaboration >



This USB-C PD injector empowers small interactive meeting spaces. It enables seamless touch-back control from a touch screen display to the host PC while simultaneously transmitting data, AV, and power.

4.5 MEDIUM MEETING ROOM

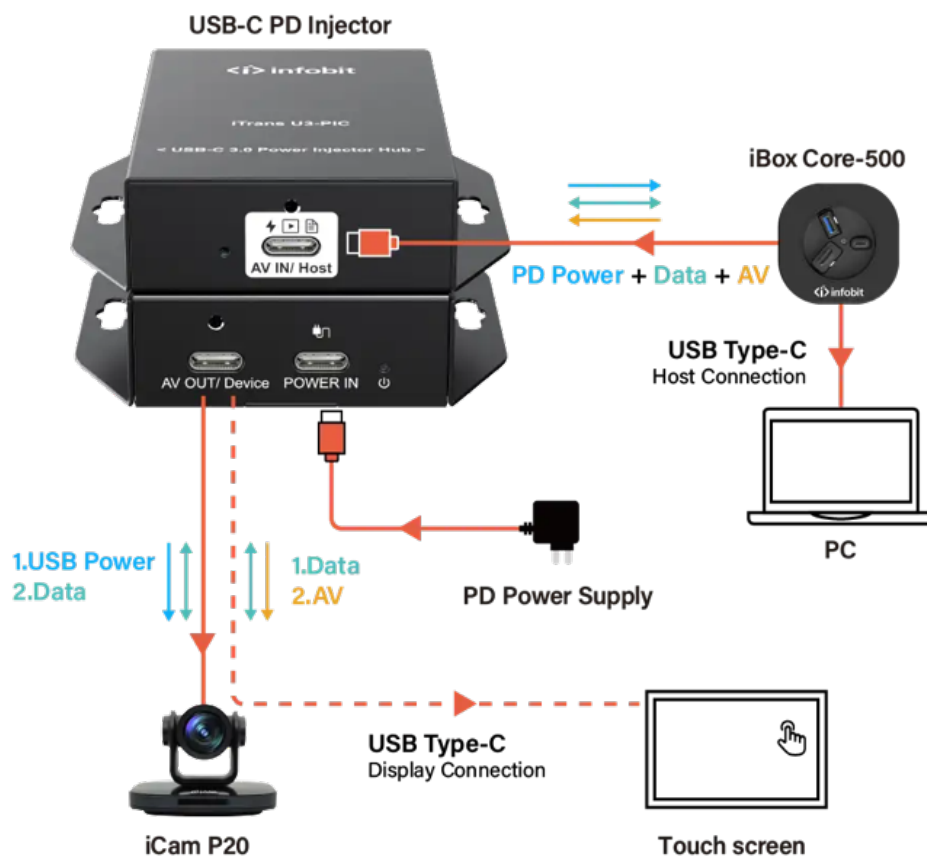
< Advanced Medium Room BYOM Extension >



This USB-C PD injector optimizes medium meeting rooms. Paired with the iBox Core-500 table box, it extends USB signal reach to seamlessly connect videobars, touch screens, and host PCs.

4.6 LARGE MEETING ROOM WITH PTZ CAMERA

< Enterprise Large Room PTZ Integration >



This USB-C PD injector scales up large meeting spaces. Combined with the **iBox Core-500** table box, it extends long-distance USB connectivity to seamlessly integrate professional PTZ cameras or interactive touch screens.