



GF-EXT-DP4-HBT3

DisplayPort 1.4 Extender

High-performance computing, broadcast, and visualization workflows depend on uncompromised image fidelity, even across long distances. The Gefen GF-EXT-DP4-HBT3 bridges that gap, extending DisplayPort 1.4 video, audio, and control up to 100 meters (330 feet) over a single CAT6a cable.

Using advanced HDBaseT 3.0 technology, it delivers pristine 8K @ 30 Hz or 4K @ 120 Hz signals with full HDR support and zero compression, ensuring every pixel arrives exactly as intended.

Ideal for studios, control rooms, and medical-imaging systems, the GF-EXT-DP4-HBT3 simplifies integration with EDID management, RS-232 control, and bi-directional Power-over-Cable (PoC). Compact, field-upgradable, and built for demanding installations, it delivers distance without compromise and performance without limits.

- Extends 8K@30Hz or 4K@120Hz video up to 100 m over CAT6a
- Supports HDR10, HDR10+, Dolby Vision, and HLG formats
- Bi-directional RS-232 control and Power-over-Cable (PoC)
- EDID management and selectable HDCP pass/block modes via DIP switch
- Field-upgradable via USB-C with durable metal design

GF-EXT-DP4-HBT3-TX

GF-EXT-DP4-HBT3-RX

FEATURES

- **Engineered for Demanding Visual Environments:** Built for environments where display accuracy drives decisions; broadcast suites, design visualization, and control rooms.
- **Built on True 32.4 Gbps Bandwidth:** Maintains full DisplayPort 1.4 bandwidth, ensuring complete pixel data delivery without downscaling or frame skipping.
- **System Stability by Design:** Always-high HPD and re-clocking circuits keep the source connected even during display changes or power cycling.
- **Future-Proof Integration:** HDCP 2.3 compliance and field-upgradable firmware ensure compatibility with evolving GPU and display technologies.
- **Professional Build Quality:** Compact, mountable metal enclosures with efficient heat dissipation ensure years of consistent operation.

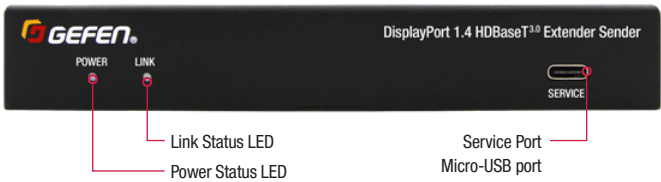
TECHNICAL SPECIFICATIONS

Video Bandwidth	32.4Gbps
Video Input (Transmitter)	(1) DisplayPort 1.4 Type A, 20-pin female
Video Output (Receiver)	(1) DisplayPort 1.4 Type A, 20-pin female
RS-232 Port (Sender/Receiver):	(1) 3-pin Euroblock, male
DIP Switches	(1) 4-position, recessed (1) 1-position (Sender/Receiver for PoC), recessed
Firmware Update (Sender/Receiver)	(1) USB-C port (Service)
HDBaseT (Sender/Receiver)	(1) RJ-45 port (in/out with 24V PoC)
Indicators	Power LED (Blue), Link LED (Green)

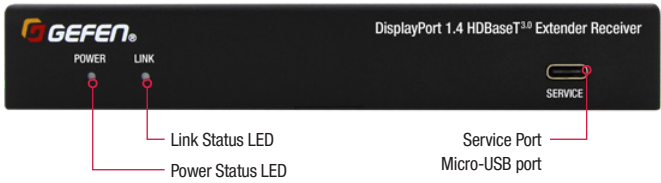
PHYSICAL SPECIFICATIONS

Power Requirement	24V/1A DC locking connector (Multi-region supported); PoC bi-directional supported
Power Consumption	13W
Operating Temperature	(0 to +50°C (+32°F to +122°F))
Operating Humidity	20% to 90% RH, non-condensing
Storage Temperature	-20°C to – 60° C (-4°F - 140°F)
Storage Humidity	20% to 90% RH, non-condensing
MTBF	50,000 hours
Dimensions (Sender/Receiver)	144mm x 78mm x 23mm (W x H x D)
Enclosure	Metal, surface-mountable with included brackets

GF-EXT-DP4-HBT3-TX



GF-EXT-DP4-HBT3-RX



Advanced AV over IP Solutions

Known the world over for seamless, advanced signal distribution and control solutions for commercial applications.

Niceforyou.com

Nice