



GF-EDD-DP

DisplayPort EDID Detective

Modern workstations and AV systems depend on clear communication between source and display; but when that link breaks down, productivity does too. Computers rely on EDID (Electronic Display Identification Data) to understand a display's capabilities, from its resolution to its refresh rate and audio format. When displays are powered off, switched away, or routed through complex systems, that EDID handshake can be lost; leaving you with blank screens, mismatched resolutions, and unnecessary frustration.

The Gefen GF-EDD-DP DisplayPort Detective keeps your system talking by capturing and storing the display's EDID information, then maintaining a stable, consistent connection even when the display isn't active. Once programmed, it becomes the silent middleman that never forgets; ensuring your sources always recognize the right display settings, regardless of how often you switch, power down, or reconfigure your setup.

- Maintains reliable DisplayPort communication up to 8K@30Hz and 4K@60Hz
- Supports HDR10, HDR10+, Dolby Vision, and HLG video formats
- Preserves immersive audio formats including Dolby Atmos® and DTS:X™
- Programmable EDID management via USB-C for ultimate flexibility
- Compact, durable metal design ideal for field or rack use

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FEATURES

- **Flexible Compatibility:** Fully compliant with DisplayPort 1.4 and HDCP 2.3/2.2/1.x standards, ensuring reliable interoperability across modern displays and sources.
- **Advanced EDID Management:** Includes five factory-loaded Gefen EDID profiles and three user-programmable memory banks, allowing quick adaptation to unique system configurations or troubleshooting scenarios.
- **Precision Signal Integrity:** Auxiliary channel re-clocking and active HPD/Link Training maintain proper handshaking, even when the display is disconnected, eliminating intermittent signal loss or flicker.
- **Convenient Control & Updates:** The USB-C port enables easy EDID programming, firmware updates, and field service access, keeping the unit adaptable to evolving AV systems.
- **Secure Configuration:** A write-enable switch protects stored EDIDs from accidental overwriting, ensuring reliable, repeatable performance in critical workflows.

TECHNICAL SPECIFICATIONS

Video Bandwidth	32.4Gbps (HBR3)
Video Input	(1) DisplayPort (20-pin female)
Video Output	(1) DisplayPort (20-pin female)
Control	(1) USB-C port
Program Button	(1) Tact-type
DIP Switches	(1) 4-position (Settings), recessed; (1) 2-position (Write-enable)
Indicators	Bi-color LED (Green/Red) for power, HPD, and EDID status

PHYSICAL SPECIFICATIONS

Power Requirement	5V/1A DC input (Multi-region supported); USB bus power for EDID programming
Power Consumption	<3W (typical)
Operating Temperature	(0 to +50°C (+32°F to +122°F))
Operating Humidity	20% to 90% RH (non-condensing)
Dimensions	90mm x 72mm x 20mm (W x H x D)
Enclosure	Metal, surface-mountable
Unit Weight	.40 lbs. (0.18 kg)

