PureTools - HDMI 2.0 Cat.X Extender Pair

PT-E-HD20 – HDMI 2.0 Extender: Reliable 4K Signal Transmission for Point-to-Point AV Integration
The PT-E-HD20 is engineered to transmit HDMI 2.0 signals efficiently over extended distances using a single Cat.6a cable, supporting straightforward point-to-point topologies in professional AV environments. Its compact housing incorporates an improved mounting system, facilitating secure installation in meeting rooms, classrooms, digital signage, and basic AV setups. Integrated 4K to 1080p downscaling enhances display compatibility, while bidirectional Power over Cable (PoC) with lockable USB-C inputs streamlines power delivery and minimises cable clutter. This design prioritises stable video transmission and ease of integration where simplicity and cost efficiency are required.

- **18Gbps 4K Signal Support:** Supports HDMI 2.0 bandwidth up to 18Gbps, enabling uncompressed 4K video at 60Hz with 4:4:4 chroma subsampling. Full HDCP compatibility ensures secure content transmission across all supported resolutions in professional AV installations.
- **Long-Distance Extension Capability:** Extends HDMI 2.0 signals up to 60 metres via a single Cat.6a cable, allowing flexible equipment placement in meeting rooms, classrooms, or signage applications without compromising signal quality or requiring additional infrastructure.
- **Integrated 4K to 1080p Downscaler:** Built-in downscaling functionality enables automatic conversion of 4K signals to 1080p. This feature ensures compatibility with displays or projectors that do not support native 4K input, supporting mixed-resolution deployments.
- **Bidirectional PoC with Lockable Power:** Delivers bidirectional Power over Cable (PoC), reducing the need for separate power supplies at both transmitter and receiver. Secure, lockable USB-C power inputs provide stable power connections, minimising accidental disconnections in fixed AV setups.
- **Compact Housing and Mounting System:** The professional-grade enclosure features the improved PureLink mounting system, supporting clean and secure installation in racks, under tables, or behind displays. This design streamlines integration in space-constrained or visible AV environments.

Efficient HDMI Extension for Professional Environments
The PT-E-HD20 delivers stable HDMI extension, display compatibility, and straightforward installation for AV professionals. By combining high-bandwidth signal support, integrated downscaling, and a compact housing with secure mounting, this unit enables reliable point-to-point transmission in meeting rooms, classrooms, digital signage, and other cost-sensitive AV deployments.

Features

- 18Gbps (4K 60Hz 4:4:4) and full HDCP support
- Extends HDMI 2.0 signals up to 60m over a single Cat.6a cable
- Integrated 4K to 1080p downscaler for display compatibility
- Bidirectional PoC with secure lockable USB-C power inputs
- Compact ProAV housing with improved PureLink mounting system

© 2025 PureLink. PureLink, the PureLink logo and other PureLink marks are owned by PureLink and may be registered. All other trademarks are the properties of their respective owners. PureLink assumes no responsibility for any errors that may appear in this publication. Product, pricing and feature information contained herein is subject to change without notice.

Contact us at
www.purelink.de

+49 5971 800 299-0
info@purelink.de

PureLink GmbH
Von-Liebig-Str. 10
48432 Rheine
Germany

PureLink UK LTD.
Carpenter Court, 1 Maple Road
Bramhall, Stockport - Cheshire SK7 2DH
United Kingdom

v07-2026