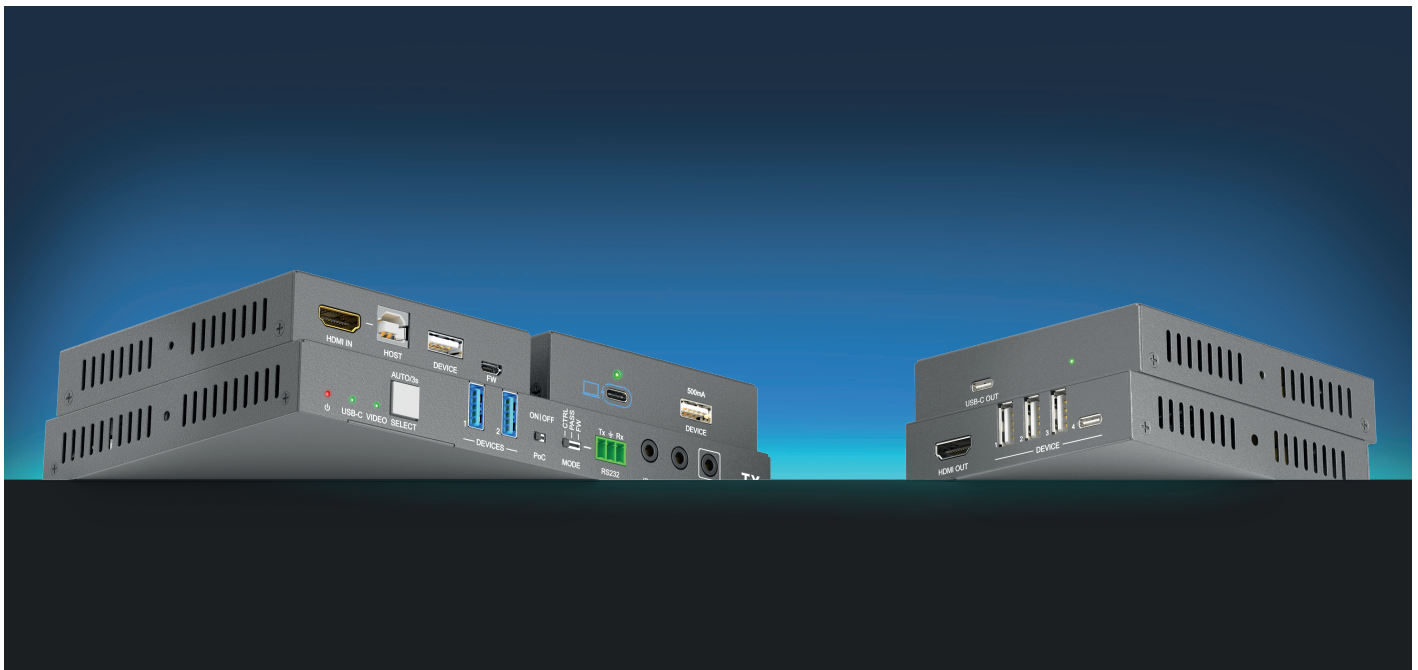


PureTools - 1020 Family

An agile approach to modern extension

The 1020 family comprises a range of interchangeable HDBaseT 3.0 endpoints, specifically designed to meet the demands of modern KVM extension. Instead of offering a traditional extension pair with fixed characteristics, the 1020 concept provides a flexible solution: a set of building blocks tailored to the exact needs of the installer. With full 18G video input, the system supports HDMI, USB-C, or both, through a cost-effective switch. USB-C inputs are available with or without Power Delivery (PD), depending on requirements. The 1020 family also offers USB data bandwidth sufficient for most modern cameras, and the

receiver side is compatible with both new USB-C-only touchscreens and existing HDMI/USB TVs and USB devices. Each endpoint is fully compatible with any HDBaseT 3.0 device on the market, making the 1020 range an affordable option for upgrading existing installations that may not meet the required specifications. Collectively, these features make the 1020 range a versatile and reliable choice for modern KVM extensions, offering flexibility, high performance, and easy integration for both installers and users.



Flexible Video Connectivity Options

The 1020 family supports both HDMI and USB-C inputs and outputs, allowing installers to tailor video connections to specific needs. USB-C inputs are available with or without Power Delivery (PD), USB ports at both TX and RX side and legacy device connections offer adaptability for various device requirements. This flexibility ensures compatibility with a wide range of sources and sink technologies, for example legacy HDMI laptops connecting at a distance to modern USB-C-only touchscreens.

High-Quality Video Transmission

Utilising HDBaseT 3.0 technology, the 1020 family transmits 18Gbps bandwidth up to 100m, supporting resolutions up to 4K at 60Hz with 4:4:4 chroma subsampling. Uncompressed 4K at 100m range will comfortably meet the requirements of 95% of installs and provide a solid ROI for years to come.

Comprehensive USB Data Support

Designed to handle USB 2.0 data, the 1020 family simplifies the connection and extension of modern peripherals such as cameras and touchscreens. Simplifying system design, reducing USB tier levels to a minimum by reducing the need for separate data cabling and hubs, streamlining installations, and minimising potential points of failure.

Seamless Integration with Existing Systems

Each endpoint in the 1020 family is fully compatible with current HDBaseT 3.0 devices, allowing for straightforward upgrades to existing installations. This compatibility ensures that users can enhance their systems without extensive overhauls, preserving previous investments while achieving improved performance.

Simplified Installation with PoC Support

The 1020 series supports bidirectional Power over Cable (PoC), reducing the need for separate power supplies at both transmitter and receiver ends. This feature streamlines installation processes, reduces clutter, and enhances the overall efficiency of system setups.

Robust and Installer-Friendly Design

Housed in professional-grade metal enclosures with mounting options, the 1020 series endpoints are built for durability and ease of installation. This design ensures that the devices can withstand the demands of various environments while providing flexible mounting solutions to suit different installation scenarios.

PureTools - 1020 Family

Product Overview

Art. No.	Description	Input	Output
 PT-HDBT-1021KVM-TX	PureTools - 2x1 4K HDBT Extender Switch - 4K HDBaseT 3.0 video and data extension with HDMI/USB-B & USB-C inputs	1x HDMI, 1x USB-B, 1x Power Injection (USB-C), 1x USB-C, 2x USB-A (5G), 1x L/R IN (3.5mm Jack), 1x RS232 (3 pin Phoenix), 1x TCP/IP (RJ45)	1x HDBT (RJ45), 1x HDMI, 1x Balanced Audio (5-pin Phoenix)
 PT-HDBT-1020CPD-TX	PureTools - HDBaseT 3.0 USB-C video and data transmitter with PD injection and additional local USB port	1x USB-C, 1x USB-A (480Mb), 1x Power Inject (USB-C)	1x HDBT (RJ45), 1x FW (USB-C)
 PT-HDBT-1020HU-TX	PureTools - HDBaseT 3.0 HDMI and USB Transmitter - HDBaseT 3.0 4K (60Hz 4:4:4) HDMI and USB 2.0 data	1x HDMI, 1x USB-B, 1x USB-A (480Mb)	1x HDBT (RJ45), 1x FW (USB-C)
 PT-HDBT-1020C-RX	PureTools - HDBaseT USB-C Receiver - HDBaseT 3.0 - 4K (60Hz 4:4:4) USB-C video and data	1x HDBT (RJ45)	1x USB-C
 PT-HDBT-1020HU-RX	PureTools - HDBaseT HDMI and USB 2.0 Receiver - HDBaseT 3.0 - 4K (60Hz 4:4:4) HDMI and USB 2.0	1x HDBT (RJ45)	1x HDMI, 1x USB-C (270Mb), 3x USB-A (270Mb),

PureTools - 1020 Family

PT-HDBT-1021KVM-TX



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PT-HDBT-1020CPD-TX

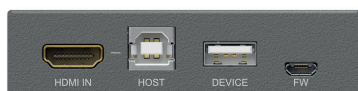


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PT-HDBT-1020HU-TX



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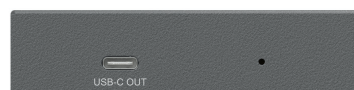


BACK

PT-HDBT-1020C-RX



FRONT



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PT-HDBT-1020HU-RX



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BACK

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