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**Key Digital Adds to New Proprietary HDMI Extension Technology Lineup**

— KD-EX18G, KD-EXWPSTX and KD-EX18GRX feature Key Digital’s Ultra High Definition over Twisted Pair technology for full-featured HDMI extension —

MOUNT VERNON, NY, June 30, 2021 – Key Digital, an award-winning developer and manufacturer of leading-edge digital video processing and video signal distribution solutions, continues to add to the product line deploying its newly developed proprietary HDMI extension technology – Ultra High Definition over Twisted Pair (UHDoTP) – a new cost-effective protocol for extending 4K 18Gbps HDMI signals with HDR over a single CAT5e/6 cable. UHDoTP is featured in Key Digital’s [KD-EX18G](https://keydigital.org/category/4k-18g-444-60hz-poh-hdbt-hdmi-extenders/KD-EX18G) HDMI extender kit, [KD-EXWPSTx](https://keydigital.org/category/4k-18g-hdbt-poh-wall-plate-switchers-/KD-EXWPSTx) single-gang wall plate transmitter and presentation switcher (the single-gang configuration satisfying a frequent request by Key Digital’s integrator customers), and [KD-EX18GRx](https://keydigital.org/category/4k-18g-444-60hz-poh-hdbt-hdmi-extenders/KD-EX18GRx) black box receiver.

UHDoTP features fully automatic adjustment of cable length compensation feedback, equalization and amplification parameters; 4K resolution support up to 4096x2160/60Hz/12-bit at 4:4:4; lossless transmission to 10.2Gbps bandwidth and visually lossless compression to 18Gbps; selectable 4K to 1080p down conversion; EDID display identification handshaking; HDR10 and HDCP 2.2 support and compliancy; and surround audio support. UHDoTP extends 4K 18G signals up to 40m / 131ft when used with CAT6A STP cable, or up to 35m / 115ft when used with CAT5e/6. 1080p resolution, including down-converted content, is extended up to 60m / 197ft when used with CAT6A STP, or up to 50m / 164ft when used with CAT5e/6.

Using the UHDoTP 4K-to-1080p down-convert feature allows integrators to mix display models and capability within a system, accommodating integration of new and legacy displays by giving the option to choose where this feature should be enabled per output. “A great example of when down-converting might be necessary is when our integrators discuss projectors,” said DeWayne Rains, VP of Sales for Key Digital. “Without down-convert technology, a costly 4K projector would be necessary, which adds a significant price increase that the end user may not be ready for. How many 4K PowerPoint presentations do you see? With UHDoTP technology you can have a mix in which perhaps a front lobby needs to be 4K, but the remainder of the system is great to go on 1080p sets. Our integrators asked for this technology, and we’re happy to see what a huge value it adds to systems by reaching a higher quality and a lower price point.”

The KD-EX18G complete Tx and Rx kit is ideally suited for bar/restaurant, digital signage and residential environments. The compact, black box Tx and Rx pair additionally feature flexible power over CAT (PoC – only one power connection needed; Tx may power Rx, or Rx may power Tx) and bi-directional IR remote repeating. The Tx unit offers an HDMI pass-through output.

The KD-EXWPSTx presentation switcher and transmitter, perfect for conference room, huddle space and classroom applications, features HDMI and USB-C inputs; automatic, USB or manual push button source switching; PoC (the wall plate Tx unit can be powered by the KD-EX18GRx stand-alone receiver); and configuration via Key Digital’s Management Software™ Pro. KD’s “Full Buffer System™” manages TMDS re-clocking / signal re-generation, HDCP authentication to source and display, EDID control handshake and hot plug detection.

The KD-EX18G complete Tx and Rx kit is priced at $265 (USD). The KD-EXWPSTx single-gang HDMI and USB-C auto-switching transmitter is priced at $299 (USD). The KD-EX18GRx UHDoTP Rx, standalone, is priced at $179 (USD). All products are available in-stock from Key Digital and authorized resellers.

For more information on the KD-EX18G, please visit <https://keydigital.org/category/4k-18g-444-60hz-poh-hdbt-hdmi-extenders/KD-EX18G>.

For more information on the KD-EXWPSTx, please visit <https://keydigital.org/category/4k-18g-hdbt-poh-wall-plate-switchers-/KD-EXWPSTx>.

For more information on the KD-EX18GRx, please visit <https://keydigital.org/category/4k-18g-444-60hz-poh-hdbt-hdmi-extenders/KD-EX18GRx>.

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Photo file 1: KD-EX18G\_hires.png

Photo caption 1: Front and back of Key Digital’s KD-EX1G TX and RX kit using KD’s proprietary Ultra High Definition over Twisted Pair technology to extend HDMI signals across a host of applications

Photo file 2: KD-EXWPSTx\_hires.png

Photo caption 2: The Key Digital KD-EXWPSTx presentation switcher and transmitter allows source selection and extended distance connection using KD’s proprietary Ultra High Definition over Twisted Pair technology

**About Key Digital**:

Led by the “Father of DVD” Mike Tsinberg, Key Digital® is an lnfoComm, CEDIA, CES, and NAHB award-winning manufacturer of professional distributed video and control system equipment. Since 1999, Key Digital has led the constantly evolving AV industry by designing products that deliver industry-leading quality, performance, and reliability to corporate, bar & restaurant, digital signage, education, government, and house-of-worship applications.

Key Digital products are designed and engineered in-house in Mount Vernon, NY. Superior quality, ease­ of-installation, and versatility are the result of strenuous research, development, and testing. Expertise and unparalleled knowledge have created a unique hardware-software suite solution ideal for the consultants, designers, and installation firms of the AV industry. Key Digital is known to deliver best-in-class products based on quality, performance, and reliability.

For more information, visit our webpage at [www.keydigital.org.](http://www.keydigital.org.)

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