

DXT-H4

Quad Display KVM Extender Host

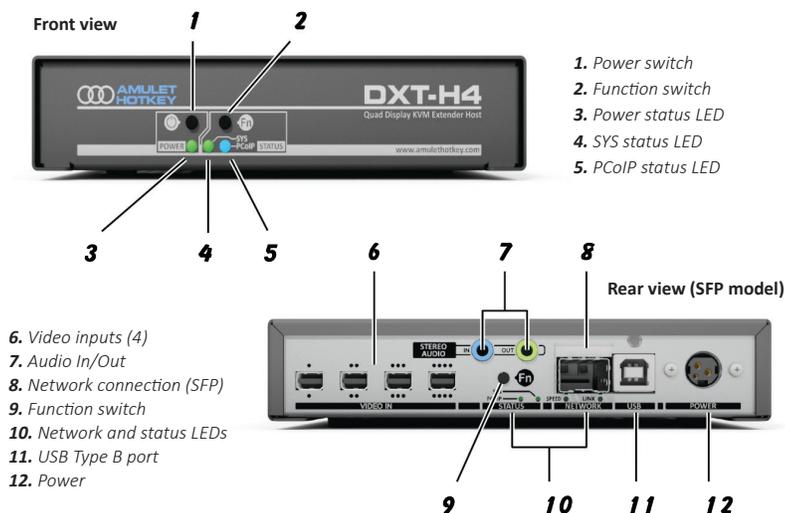
Datasheet

Professional KVM-Extender Host for high-performance and secure access to any workstation from anywhere

Secure access to any workstation

The Amulet Hotkey DXT-H4 is a Quad-Display, KVM-Extender Host based on KVM-over-IP technology using the industry standard PCoIP® protocol. The DXT-H4 enables secure, high-performance remote access for any workstation, laptop, closed system or legacy PC that has digital video ports.

- **Anywhere access:** get secure remote access over standard IP networks to host systems that may be fixed, mobile or forward deployed.
- **WAN performance:** uses PCoIP remote display protocol and advanced imaging algorithms. Twice the PCoIP image encoding performance of previous KVM generations.
- **Enterprise-class connection brokers:** seamlessly integrates any computer or closed system into a VMware Horizon or Leostream environment.
- **Remote any system:** uses standard video, USB and audio cables where it is not possible to install remote access PCIe cards or software, and where host systems must remain physically isolated to meet security or application licensing requirements.
- **Secure collaboration:** allow working between teams that have systems not operable in the same environment, including enterprise partnerships, government departments, agencies and nations as well as military/defence coalition partners.
- **Secure host isolation:** a completely external remote access solution that transmits only encrypted display pixels, USB and audio to ensure there is no interaction between systems and no application data ever leaves the host system.



Key Features

- Secure remote access for systems that require complete host isolation
- Support for quad video up to 1920 x 1200 or dual video up to 2560 x 1600. Contact us about 4K UHD upgrade capability
- Hardware accelerated and low-latency PCoIP protocol encoding for a responsive end user experience without compromise
- Exceptional performance including real-time video and demanding 3D graphics
- Build-to-lossless imaging to ensure analysis is performed on a pixel-perfect image
- Compatible with host computer operating system such as Windows 10, Linux, and Mac OS
- Built-in VMware Horizon Agent to integrate any system into a Horizon environment
- Designed for security, reliability and strict emissions control
- Extensive end-point options including secure zero clients and software clients for mobile devices
- Easy to configure and manage

Network connection

- Support for point-to-point or standard IP-based LAN and WAN networks over copper or fiber network connections
- Remote access connections can be local, cross-country or continent-to-continent

Security

- External, non-intrusive remote access solution for systems where you cannot install remote access software or PCIe remote access cards
- Only encrypted display pixels are sent, so no sensitive data ever reaches the client
- Extensive security features including: full-session 256-bit AES encryption, NSA Suite-B ciphers, Smart Card, intelligent hardware USB lockdown and menu/feature lockdown
- Enables connection from secure zero clients including models certified as secure by the UK government and NATO

Need a high-density KVM Extender solution?
See Amulet Hotkey's [DXR-H4 KVM Extender system](#)

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Related Products



[DXZ4 Zero Client](#)

Secure access device



[DXR-Z4 Zero Client](#)

High density secure access solution



[K4u+ and K4vu](#)

Secure access device

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DXT-H4 Specifications

Form factor	DXT-H4 enclosure with external Power Supply Unit
PCoIP processor	Teradici TERA2240 PCoIP Processor
Memory	512MB DDR3 with ECC
Cabling for USB, Video and Audio	Custom, shielded and validated cable set available in 1 m and 2.8 m lengths: <ul style="list-style-type: none"> - USB 2.0 Type A - Stereo audio IN/OUT cross-over cable 3.5 mm (green and blue jacks) - 4x Mini DisplayPort to DisplayPort - HDMI and DVI-D support using miniDP adapters (available on request)
Video inputs	4x Mini DisplayPort dual mode digital video ports
Display support	Dual: up to 2560x1600 @ 60 Hz. Contact us about 4K UHD upgrade capability. Quad: up to 1920x1200 @60 Hz
Audio	16-bit stereo audio, 48 KHz sampling rate
USB	USB 2.0, USB 1.1 HID such as keyboards and mice, with planned support for bulk transfer devices. For more information about support, see the latest release notes .
Network	RJ45 variant: RJ45 10/100/1000 SFP variant: SFP slot for 100 Mbit/s or 1 Gbit/s copper or fiber modules See the SFP Modules Datasheet
Encryption	256-bit or 128-bit AES, with video, USB, audio and control data NSA Suite B ciphers
Connection broker	Direct connect and 3rd party brokers such as Leostream and VMware Horizon
Client compatibility	Hardware zero clients: Amulet Hotkey secure DXZ zero clients Software clients: VMware Horizon and Teradici PCoIP Clients. Use with Amulet Hotkey K4u+ KVM switch to create large, seamless workspaces
Power supply	Separate Power Supply Unit (100 V to 240 V)
Power consumption	Up to 24W for maximum conditions
Cooling	Passive
Temperature Range	Operating: +5° to +30° C (41° to 86° F) Storage: -10° to +60° C (14° to 140° F)
Size (H x W x D mm)	35 x 148 x 324 mm (1.4 x 5.8 x 12.8 in). Weight: 1.3 kg (2.9 lbs)
Compliance	TAA compliant. Conforms to relevant parts of EN55024, EN55032, CE and FCC Part 15



A DXT-H4 (1) connected to a closed host system (2) facilitates a remote desktop connection over a LAN/WAN (3) to a zero client (4) with quad video heads (5)

Example DXT-H4 system deployment

With an Amulet Hotkey DXZ zero client, remotely access any host system using a DXT-H4 KVM Extender Host over a LAN or WAN. At the host workstation, the DXT-H4 encodes and encrypts the display, USB and bi-directional audio, transporting the workstation experience remotely to anywhere.

The DXT-H4 sends 'pixels only' data with USB and audio across a standard IP network to a DXZ zero client. The actual application data never leaves the host system (PC or workstation). Finally, the zero client decodes the PCoIP protocol data and delivers it to the monitors and peripherals.

Secure Remote Access To Any Workstation – Anywhere!