



**DXZ4**  
PCoIP zero client  
**Datasheet**

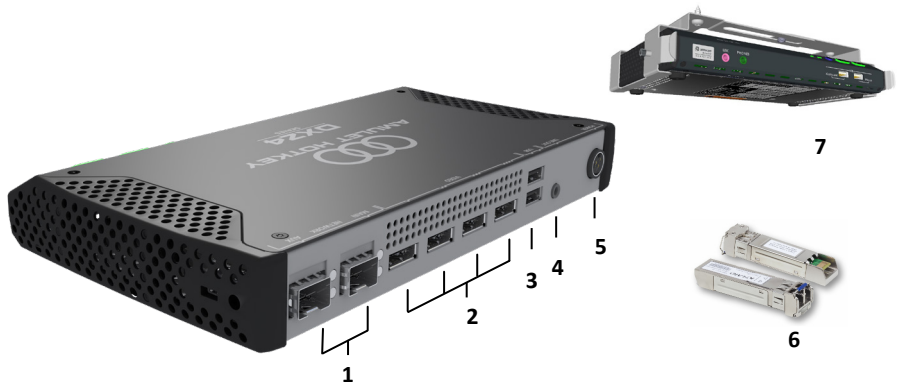
The Amulet Hotkey DXZ4 is a quad video head PCoIP® zero client, designed to provide class leading, long-term performance in the most demanding of applications. The DXZ4 provides an extensive set of unique and advanced features not found in other remote computing solutions.

Connect a DXZ4 to a remote PCoIP host such as VMware Horizon, Amazon Workspaces or a range of Amulet Hotkey workstations. This provides quad video head, pixel perfect performance at the desktop, a very low noise and heat signature, and connection points for the widest range of USB and audio peripherals. Dual redundant network ports, locking power sockets and a configurable control panel enhance resilience where it is needed most.

**UK Government Security Certification**

The DXZ4-A and DXZ4-AM zero client have been certified as secure by CESG, the National Technical Authority for Information Assurance within the UK. The CESG assists Government Departments with cyber security and have certified and approved the DXZ4-A/AM for use at the 'OFFICIAL' level within Government and public sector organizations.

TEMPEST versions of this product, approved to NATO SDIP-27 Level A and Level B by our TEMPEST-certified CESG and NATO partners, are available on special request. Contact Amulet Hotkey sales for more information.



**DXZ4-M rear view.** 1 Network connections. 2 DisplayPort sockets. 3 USB ports. 4 Audio socket. 5 DC inlet. 6 SFP modules. 7 Under-desk bracket (optional).

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**Key features**

- Compact and highly secure PCoIP zero client
- Supports high-resolution displays: quad video up to 1920x1200, dual video up to 3440x1440
- Connect multiple DXZ4 clients to support additional displays such as octal video up to 1920x1200 or quad video up to 3440x1440
- Exceptional performance including real-time video and demanding 3D graphics
- Connect to virtual desktops, cloud managed desktops or for the most demanding graphics, connect to remote physical or virtual workstations
- Easy to configure and manage
- Optional under the desk bracket available

**Network connections**

- Supports redundant network connections with dual network interfaces with options for SFP modules for copper or fiber optic cabling
- Supports remote connections that can be local, across country, or continent-to-continent

**Security**

- Only display pixels are sent to the client so no sensitive data ever reaches the client
- Zero Clients have no X86-processor, no Windows or Linux client OS, no client GPU and no local storage. This eliminates exploits common with other client endpoints
- Extensive security features including support for 256-bit AES encryption, NSA Suite-B ciphers, smart card, proximity card, SIPR tokens and much more

#### EMEA Sales

+44 (0)20 7960 2400  
emeasales@amulethotkey.com

#### N America & Canada Sales

+1 (212) 269 9300  
ussales@amulethotkey.com

#### APJ Sales

+61 409 930 884  
apsales@amulethotkey.com

#### LATAM Sales

latamsales@amulethotkey.com

#### Defence and Security

security@amulethotkey.com

#### Technical Support



## About PCoIP systems

PCoIP systems are fully secure and build a lossless image, making them ideal for the most demanding of applications. Our zero clients are desktop devices that connect to a remotely located 'host' using the PCoIP protocol.

## DXZ4 models

The DXZ4 and DXZ4-A have dual RJ45 network ports. The DXZ4-M and DXZ4-AM have dual network ports that accept fiber or copper SFP modules (see the *SFP Modules Datasheet* for details). The DXZ4-A and DXZ4-AM are NCSC CPA certified versions.



In partnership with...



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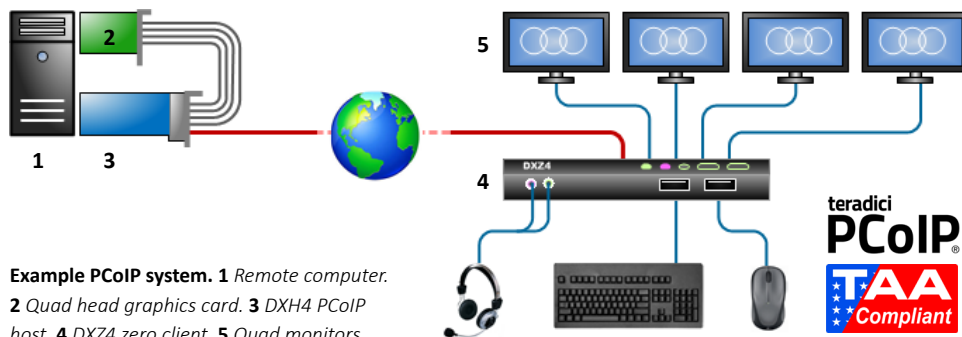
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## Getting connected

DXZ4 zero clients support any user type from mainstream office desktops for task workers to the most demanding 3D performance workstations. Connection options include virtual desktops such as VMware Horizon, Cloud Managed Desktops such as Amazon Web Services Workspaces, or remote physical or virtual workstations for demanding users.

The PCoIP host can be implemented in hardware (as shown here) or in software, using VMware Horizon or Amazon Workspaces. The PCoIP host encodes USB, audio and video from the host and then compresses and encrypts the data for transmission across standard IP networks to the zero client.

The zero client then decrypts and decompresses the data, and delivers it to the desktop monitors and peripherals (such as keyboard, mouse, speakers or headset). The zero client also passes user-generated USB and audio data to the PCoIP host. The result for the user is that the desktop looks and feels like it is at their desk. Because zero clients simply decode pixels to display images, they are simpler and more secure than a traditional PC and other thin client solutions.



**Example PCoIP system.** 1 Remote computer.

2 Quad head graphics card. 3 DXH4 PCoIP host. 4 DXZ4 zero client. 5 Quad monitors.

|                               |  |
|-------------------------------|--|
| <b>Processor</b>              | Teradici Tera2140 PCoIP processor  |
| <b>Memory</b>                 | 512MB DDR3 RAM   |
| <b>Video output</b>           | 4 x DisplayPort connectors (dual mode)   |
| <b>Display support (quad)</b> | Four monitors up to 1920 x 1200 maximum @ 60 Hz  |
| <b>Display support (dual)</b> | Two 2560 x 1600 maximum with AHK KVM Extender Host @ 60 Hz, or;<br>Two 3440 x 1440 maximum with VMware Horizon virtual workstations @ 60 Hz  |
| <b>Audio connections</b>      | Stereo headset/headphones, stereo line out, stereo mic. All 3.5mm jacks  |
| <b>Audio range</b>            | <b>Output:</b> 0Hz to 21.6kHz (48kHz sampling);<br>0Hz to 19.846kHz (44.1kHz sampling).<br><b>Input:</b> 10Hz to 21.6kHz (48kHz sampling);<br>10Hz to 19.846kHz (44.1kHz sampling).  |
| <b>USB connections</b>        | 4 x USB 2.0  |
| <b>Network connections</b>    | <b>DXZ4, DXZ4-A:</b> Dual redundant RJ45 10/100/1000 for copper cabling<br><b>DXZ4-M, DXZ4-AM:</b> Dual redundant SFP slots for 100Mb/s or 1Gb/s fiber or copper modules   |
| <b>Cooling</b>                | Passive  |
| <b>Case</b>                   | Robust enclosure   |
| <b>Power consumption</b>      | Less than 12W nominal (excluding USB devices)  |
| <b>Temperature range</b>      | Operating: 15° to 40° C (59° to 104° F)<br>Storage: -10° to 60° C (14° to 140° F)  |
| <b>Size (H x W x D)</b>       | 34 x 230 x 130 mm (1.3 x 9.1 x 5.1"). Weight: 0.9 kg (2 lbs)   |
| <b>Security</b>               | Strong encryption and authentication including 256-bit AES and NSA Suite-B ciphers. 2 factor authentication options including CAC/PIV cards, smart cards, prox-cards, e-tokens, SIPR tokens. IEEE 802.1X network authentication. Unique USB lockdown control. Kensington Lock slot |
| <b>Compliance</b>             | TAA compliant. Conforms to relevant parts of EN55024, EN55022, FCC Part 15. TEMPEST versions of the DXZ4 are available, approved to NATO SDIP-27 Level A and Level B by our TEMPEST-certified CESG and NATO partners   |