



**DXH4**  
PCoIP Host

**Datasheet**

The Amulet Hotkey DXH4 is a half-height PCIe quad video head PCoIP® host card based on Teradici's TERA2240 processor.

The DXH4 is designed for remote desktop applications that require pixel perfect video across multiple monitors.

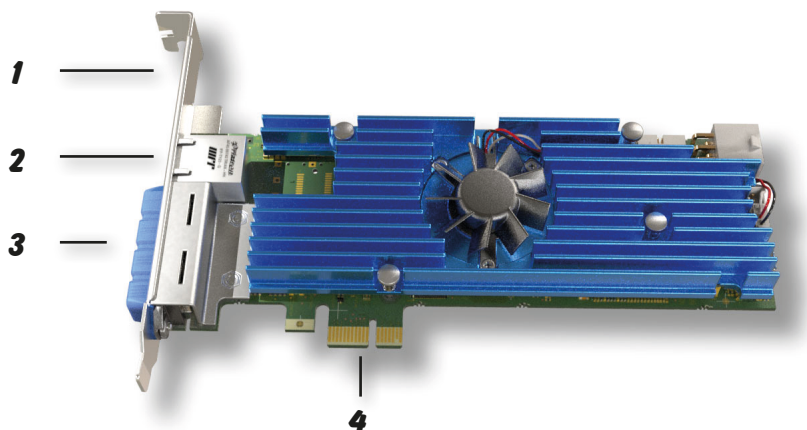
- **Easy to install:** into a half-length x1PCIe slot in the host PC or workstation
- **Adaptable:** comes with either full-height or low-profile bracket fitted<sup>1</sup>
- **Secure anywhere access:** between the host computer and the desktop, even when they are separated by hundreds of miles
- **Flexible:** uses the existing graphics card as the source of digital video data

### Seamless workflow

At the desktop, a secure stateless PCoIP zero client decodes the data sent from the DXH4 over a standard Ethernet connection. The DXH4 connects to the zero client using the PCoIP protocol. PCoIP is robust, highly secure and adapts to network conditions, providing the best possible user experience using the minimum of bandwidth. PCoIP uses secure AES-256 encryption on all data and provides lossless, real-time performance free from compromises.

### Connectivity

The DXH4 is available in two versions. The standard DXH4 has an RJ45 network port. The DXH4-M has a network port designed to accept a copper or fiber SFP module (available separately; see the [SFP Modules Datasheet](#)).



DXH4 half-height PCIe card (4) with full height I/O bracket (1), RJ45 socket (2), quad-video inputs (3). Low-profile I/O bracket and SFP versions also available.

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### Key Features

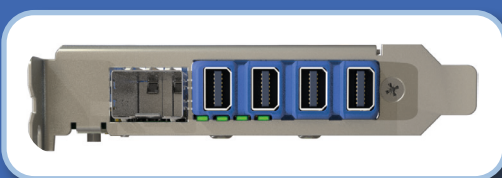
- Half height, half length, PCIe slot (an alternative low-profile bracket is also included in the kit)
- Available with low-profile I/O bracket fitted
- Fully compatible with PCoIP zero clients, including the Amulet Hotkey DXZ Series
- Quad head video support (digital input only on Mini DisplayPorts)
- Display resolution up to 2560 x 1600 @ 60 Hz
- Full duplex stereo audio link
- Wide range of USB devices supported
- Very secure protocol using AES-256 encryption

### Network Connection

- RJ45 Ethernet connection 10/100/1000 Base-T
- DXH4-M: Copper or fiber SFP module, 1Gbit/s or 100Mbit/s

### Easy configuration and maintenance

- Compatible with all major operating systems; no drivers or software required
- Flash programmable
- Supports Wake on LAN
- Supports remote power cycling of host computer (may require custom cabling)



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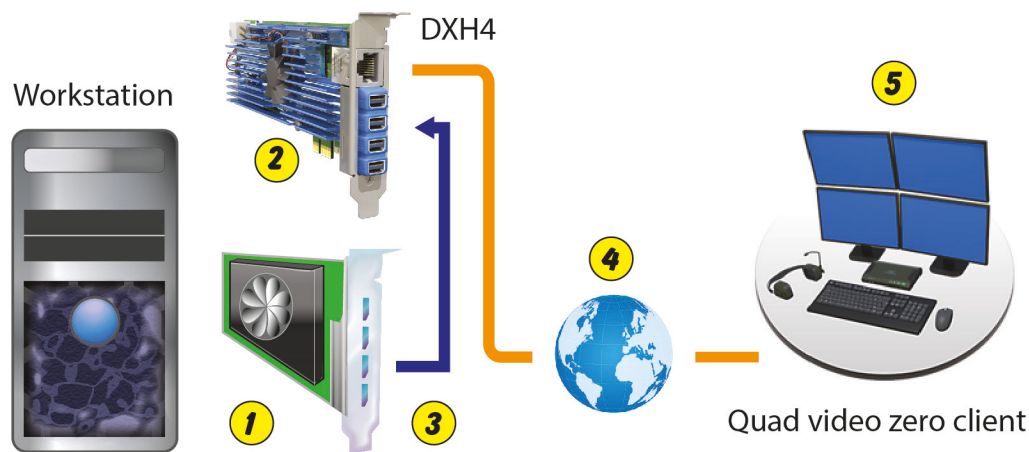
#### Technical Support



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## Example quad head system

A DXH4 card in the remote host receives video data from a quad-head graphics card in the PC or workstation. The DXH4 card presents itself to the operating system as a standard audio card and USB 2.0 host controller. It connects over a LAN or WAN to a remote PCoIP client such as the Amulet Hotkey DXZ4 zero client.



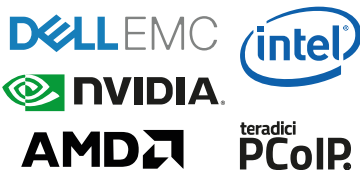
DisplayPort outputs on the system graphics card (1) connect directly to up to four MiniDisplayPort inputs on the DXH4 (2) with the cables supplied (3). The DXH4 connects over a LAN/WAN (4) to a remote client (5).

#### DXH4 specifications

<b>PCoIP processor</b>	Teradici 2240
<b>Power supply</b>	Internal from PCIe bus – maximum 15W, typically 12W
<b>Bus type</b>	Single lane PCIe (x1). Compatible with x1 to x16 slots, PCIe spec 1.0 or above
<b>Memory</b>	512MB DDR3 with ECC
<b>Video inputs</b>	4 x Mini DisplayPort (dual mode)
<b>Display support</b>	1920 x 1200 maximum (quad monitors) @ 60 Hz 2560 x 1600 maximum (dual monitors) @ 60 Hz
<b>Audio connections</b>	Internal from PCIe bus. Card provides standard HD Audio controller. HDA codec is on the remote zero client
<b>USB connections</b>	Internal from PCIe bus. Card provides both OHCI and EHCI USB host controllers
<b>Flash programmable</b>	In system via Ethernet. After upload, requires a reboot on host PC
<b>Network connection</b>	<b>DXH4</b> Single RJ45: 10/100/1000BaseT <b>DXH4-M</b> Single SFP module: Fiber or copper; 1 Gbit/s or 100 Mbit/s Available modules are listed in the <i>SFP Modules Datasheet</i>
<b>Full duplex required</b>	
<b>Wake-on-LAN</b>	Via PCIe bus. Switchable to RPC cable option. Note: <i>Because of the SFP module power requirements, the DXH4-M does not support Wake-on-LAN on some PCs</i>
<b>Cooling</b>	Dynamic fan cooling. Fan speed adjusts automatically between 0-100%, depending on load and environmental conditions
<b>PCIe form factor</b>	Low profile, half-length, Available with full-height or low profile I/O bracket fitted
<b>Size</b>	Single slot, 68.9 x 167.7 mm (2.7 x 6.6 inches)
<b>Temperature range</b>	Operating: 15° to 55° C (59° to 131° F). <i>Refers to PC internal ambient temp</i> Storage: -10° to 60° C (14° to 140° F)



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[DXZ4 Zero Client](#)

Secure access device



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