



DXT-iP

Standalone PCoIP host

Datasheet



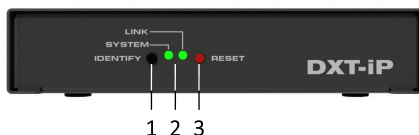
The Amulet Hotkey DXT-iP is a standalone PCoIP host. It is designed for use with sealed or fully expanded computers that must be located remotely. It allows almost any computer that supports USB and digital video to be integrated into a mission-critical PCoIP remote desktop solution.

The DXT-iP uses the Teradici 1202 PCoIP processor (TERA1) to deliver up to two heads of pixel perfect video in a secure and responsive manner. The DXT-iP connects to a remote zero client using the robust PCoIP protocol. PCoIP provides the best possible user experience while using the minimum bandwidth. This version of PCoIP uses secure AES-128 encryption on all data transfers and provides lossless, real-time performance without compromise.

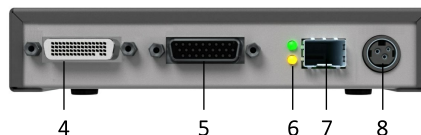
Simple setup

No drivers or firmware need to be installed and no additional hardware or software is required. The DXT-iP connects to the host computer using supplied cable looms. A main cable loom sends USB, audio, and (optionally) pseudo RS-232 signals to the DXT-iP. A video cable loom sends digital video to the DXT-iP from dual outputs on the host computer. Alternative cables are available to suit different graphics cards. A rear panel network port accepts a fiber or copper SFP module (available separately; see the *SFP Modules Datasheet* for details).

DXT-iP front panel



DXT-iP rear panel



- 1 Identify button. Lights up identity LED in main cable loom.
- 2 System LED and Link LED.
- 3 Reset button.
- 4 Video In connector. Accepts the video cable loom.
- 5 I/O mass connector. Accepts the main cable loom.
- 6 Network status LEDs.
- 7 Network port accepts SFP module.
- 8 Power socket. For more details, see the *DXT-iP Quick Start Guide*.

Features

- Dual video head support (digital video input only)
- Display resolution up to 1920 x 1200 @ 60 Hz
- Network connection - single SFP module, fiber or copper, 1Gbit/s or 100Mbit/s
- USB keyboard and mouse support
- Bidirectional stereo audio link
- Front panel LEDs show system and link status
- Compatible with all major OSs - PC, Linux and Mac. No drivers or software required.
- Secure PCoIP protocol with AES-128 bit encryption
- Integrated support for serial (RS-232) protocol. Fixed at 9,600 baud
- External middle of the cable PSU with locking power connector
- Rugged metal case for maximum durability
- Optional mounting brackets (available separately) securely attach the DXT-iP to any suitable surface

Versions

The DXT-iP is available in standard and fan-cooled versions. The fan-cooled version is suitable for use in environments with higher ambient temperatures.

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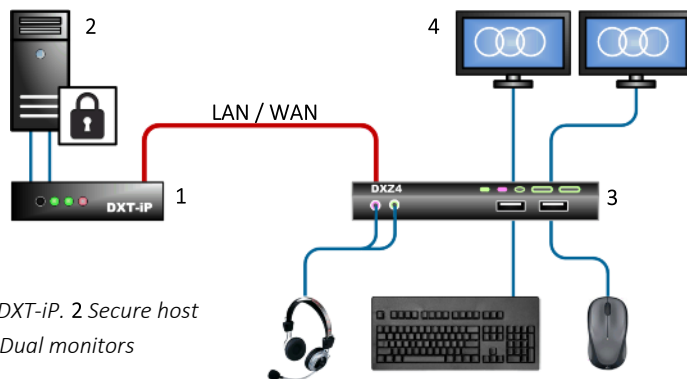
About PCoIP systems

A PCoIP host, such as the DXT-iP, transmits the computing experience from a host PC 'pixels only' to a remote PCoIP zero client such as the Amulet Hotkey DXZ4 or DXZC. Actual data never leaves the host PC and all pixel transfers are encrypted with advanced security algorithms.

The PCoIP host takes USB, audio and digital video output from the computer, compresses and encrypts the data, and then transmits it across a standard IP connection to the remote zero client.

The zero client decrypts and decompresses the data, and delivers it to the desktop monitors and peripherals (keyboard, mouse, speakers or headset). The zero client also passes user-generated USB and audio data back to the PCoIP host.

PCoIP supports multiple displays, full USB peripheral connectivity, and high definition audio, all connected over the corporate LAN or WAN. PCoIP systems are fully secure and always build video to a lossless image.



DXT-iP in PCoIP system. 1 DXT-iP. 2 Secure host computer. 3 Zero client. 4 Dual monitors



DXT-iP with optional mounting brackets



Towards greener computing

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Core technology	Teradici PCoIP TERA1 (1202 chipset)
Power	Locking DC inlet socket with middle-of-the-cable PSU Consumption: 22W nominal
Video input	2 x DVI-D into 1 x DMS-59 connector. Video cable loom supplied
Supported video	1920 x 1200 maximum (dual monitors) @ 60 Hz
Audio connections	2 x 3.5 mm stereo jacks; headphone-out, microphone-in
USB connections	1 x USB 1.1 in main cable loom. Supports user-generated USB mouse and keyboard data returned from remote zero client
Serial connections	Pseudo RS-232. Fixed at 9,600 baud. Other baud rates are available. Main cable loom includes 2 x DE9 connectors to support specific legacy devices. Does not support standard RS-232 devices.
Flash programmable	In system via Ethernet. After upload, requires a reboot on the host PC
Network connection	SFP module: fiber or copper, 1 Gbit/s or 100 Mbit/s, supplied separately
Full duplex required	Available modules are listed in the <i>SFP Modules Datasheet</i>
Cooling	Standard DXT-iP: Passive Fan-cooled DXT-iP: Fan-cooled
Temperature	Standard DXT-iP: +5° to +30° C (+41° to +86° F)
Operating range	Fan-cooled DXT-iP: +5° to +40° C (+41° to +104° F)
Cable length	300 cm main cable loom (3 yds 10 in) 265 cm video cable loom (3 yds 4 in)
Case	Robust enclosure
Size (H x W x D)	30 x 140 x 330 mm (1.2 x 5.5 x 13.0 in)
Unit weight	1.6 kg (3.5 lbs) excluding packaging

PCoIP Performance Notes: Performance is limited by network latency and bandwidth. For latencies up to around 40ms, the operation is virtually perception free. The user will notice little or no change in the performance of their workstation. For longer latencies up to 150ms, PCoIP deploys a selection of WAN optimization features which minimize the impact on performance to an acceptable level.