



## DXZC-E series

PCoIP zero client

### Datasheet

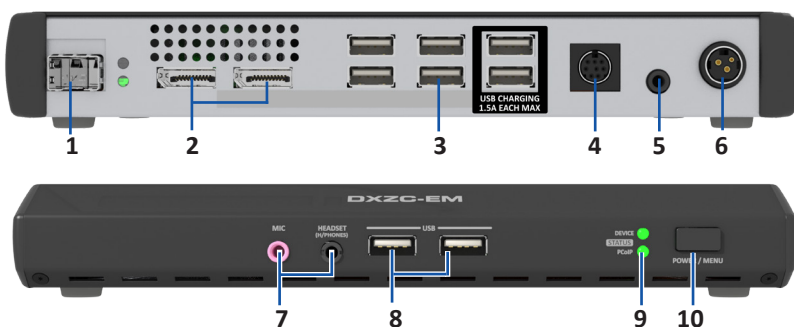
The DXZC-E series zero clients are highly secure and decode encrypted pixel data sent from a remote PCoIP host. The DXZC-E provides full duplex stereo audio, dual DisplayPort video outputs and eight USB 2.0 ports. It also has a very low noise and heat signature. All communications use NSA-Suite-B ciphers, 192-bit elliptic curve encryption or AES-256 encryption.

The DXZC-E clients incorporate eight USB 2.0 ports for connecting a wide array of devices. Two of the ports are compliant with USB-IF (USB Implementer's Forum) Battery Charging Specification BC1.2, providing up to 1.5A per port for devices.

Where secure, uncompromised performance and pristine graphics for remote desktop applications are paramount, the DXZC-E clients provide the best and most dependable solution available.

The DXZC-E is available in four versions:

Product	Connection		Card-reader (CAC)	8 USB ports
	RJ45	SFP		
DXZC-E	✓	-	-	✓
DXZC-EM	-	✓	-	✓
DXZC-EC	✓	-	✓	✓
DXZC-EMC	-	✓	✓	✓



**DXZC-EM front and rear view.** 1 Network port. 2 DisplayPort connectors. 3 USB ports (two for high charge-current devices). 4 Feature connector socket. 5 Line-level audio output. 6 DC power inlet. 7 Mic and headset sockets. 8 Easy access USB. 9 LED indicators. 10 Power/Menu switch.

[www.amulethotkey.com](http://www.amulethotkey.com)

### Key features

- Compact and highly secure PCoIP zero client with or without integrated smartcard reader
- Eight USB ports for maximum connectivity of a wide range of devices. Two ports are USB-IF compliant (support high-current charging)
- Supports high-resolution displays with dual video up to 1920x1200 or single video up to 2560x1600
- 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

### Smart card reader

- Supports CAC, PIV cards and SIPRNet tokens
- Complies with ISO 7816 and EMV 2000 Level 1
- Compatible with 5V, 3V and 1.8V smart cards

### Network connection

- Supports a 10/100/1000 network connection and options for SFP modules for copper or fibre optic cabling
- Remote connections 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 which 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
- Contact Amulet Hotkey sales for more information.

## EMEA Sales

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

## N America Sales

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

## APJ Sales

+61 409 930 884  
apsales@amulethotkey.com

## Latin America Sales

latamsales@amulethotkey.com

## Defence and Security

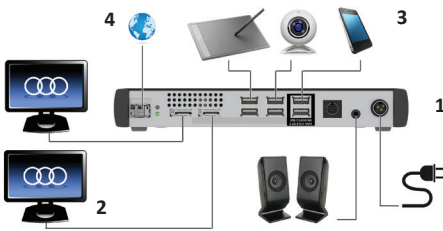
security@amulethotkey.com

## Head Office

Amulet Hotkey Ltd  
Cavalier Road, Heathfield Industrial Estate,  
Newton Abbot, Devon TQ12 6TQ, UK  
+44 (0)1626 837900

## Technical Support

EMEA: eurosupport@amulethotkey.com  
N America: ussupport@amulethotkey.com



### Example PCoIP system with DXZC-EMC

- 1 DXZC-EMC zero client
- 2 Dual monitors
- 3 USB devices
- 4 Copper/Fiber connection to PCoIP host



### Towards greener computing

©2016 Amulet Hotkey Ltd. All rights reserved.  
Information in this document is subject to change. No part of this document may be reproduced through any means including (but not limited to) electronic or mechanical, without express written permission from Amulet Hotkey Ltd. Amulet Hotkey Ltd may have patents, patent applications, trademarks or copyrights or other intellectual property rights covering subject matter in this document. PC-over-IP, PCoIP and the PCoIP logo are registered trademarks of Teradici Corp. Amulet Hotkey and 'solutions you can bank on' are registered trademarks of Amulet Hotkey Ltd. Other product names and company names listed within this document may be trademarks of their respective owners. Amulet Hotkey products are designed and built in the UK.

DXZC-E Datasheet DS-DXZC-E001 v1.0 November 2016

[www.amulethotkey.com](http://www.amulethotkey.com)

## About PCoIP systems

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

## Get connected

DXZC-E series zero clients support any user type from mainstream office desktops for task workers to the most demanding 3D performance workstations. They must be paired with a 'PCoIP host' device located in or near the remote computer. 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.

PCoIP hosts can be implemented in hardware or in software, using VMware Horizon or Amazon Workspaces. The PCoIP host encodes USB, audio and video from the host, 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. As zero clients simply decode pixels to display images, they are simpler and more secure than a traditional PC or thin clients.

Specifications	
Processor	Teradici Tera2321 PCoIP processor
Memory	512MB DDR3 RAM
Video output	2 x DisplayPort connectors (dual mode)
Display support	1920 x 1200 maximum (dual monitors) @ 60 Hz 2560 x 1600 maximum (single monitor) @ 60 Hz
Audio connections	Stereo headset/headphones, stereo line out, stereo mic. All 3.5mm jacks
USB connections	6 x USB 2.0 ports (charge up to 500mA) 2 x USB-IF compliant ports (charge up to 1.5A)
Network connections	<b>DXZC-E, DXZC-EC:</b> Single RJ45: 10/100/1000BaseT <b>DXZC-EM, DXZC-EMC:</b> Single SFP module: Fiber or copper; 1 Gbit/s or 1 Mbit/s. Available modules listed in the <i>SFP Modules Datasheet</i>
Cooling	Passive
Case	Robust enclosure
Power consumption	<b>DXZC-E, DXZC-EC:</b> Typically less than 9W excluding USB peripherals <b>DXZC-EM, DXZC-EMC:</b> Typically less than 11W excluding USB peripherals
Temperature range	Operating: 15° to 35° C (59° to 95° F) Storage: -10° to 60° C (15° to 145° F)
Size (H x W x D)	34 x 230 x 131 mm (1.3 x 9.1 X 5.2")
Security	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
Compliance	TAA compliant. Conforms to relevant parts of EN55022, EN55024, CE and FCC Part 15.

Integral card reader	DXZC-EC, DXZC-EMC
Security	SIPRNet hardware token and CAC smart card support
Standards	ISO 7816, EMV 2000 Level 1, GSA FIPS 201 approved product list
Protocols	T=0, T=1; 2-wire: SLE 4432/42 (S=10); 3-wire: SLE 4418/28 (S=9); I <sup>2</sup> C (S=8)
Card types	Support for 5V, 3V and 1.8V smart cards; ISO 7816 Class A, B and C
Smart card detection	Movement detection with auto power-off; automatic detection of smart card type; short circuit and thermal protection
Supported APIs	PC/SC driver (ready for 2.01); CT-API (on top of PC/SC); synchronous-API (on top of PC/SC); OCF (on top of PC/SC)
Durability	100,000 insertions