

Zero Client Product Selector

Overview

Amulet Hotkey® design and manufacture a wide range of PCoIP® Zero Clients with features suitable for most applications. The table below headlines some of the key differences while the tables on page two and three provide greater detail.

Zero clients are truly plug-and-play and can be ready to use in less than 5 minutes. With no local application OS to configure, patch, or update the zero clients are extremely easy to deploy and manage. They enhance security by replacing vulnerable desktop workstations and thin clients with cost effective, locked down hardware. The user has a normal desktop experience working with keyboard, mouse, USB peripherals and multiple displays. However, desktop and applications are actually running back in the datacentre and delivered over the network using the remote display protocol – PCoIP Protocol. The architecture is highly secure with no local applications, OS or storage and yet image quality, across multiple high-resolution monitors is uncompromised.

For more information about Amulet Hotkey Zero Clients visit our [website](#) or contact one of our experts [here](#).

| Product Name | DXZC | DXZC-A | DXZC-E | DXZC-M | DXZC-EM | DXZC-AM | DXZC-C | DXZC-AC | DXZC-EC | DXZC-MC | DXZC-EMC | DXZC-AMC | DXZ4 | DXZ4-A | DXZ4-M | DXZ4-AM | DXR-Z4 (RJ45) | DXR-Z4 (SFP) |
|---|------|--------|--------|--------|---------|---------|--------|---------|---------|---------|----------|----------|------|--------|--------|---------|---------------|--------------|
| Display Supported | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4(8) | 4(8) | 4(8) | 4(8) | 4 | 4 |
| USB 2.0 ports | 4 | 4 | 8 | 4 | 8 | 4 | 3 | 3 | 8 | 3 | 8 | 3 | 4 | 4 | 4 | 4 | 3 | 3 |
| Redundant Network | | | | | | | | | | | | | • | • | • | • | | |
| RJ45 for copper network | • | • | • | | | | • | • | • | | | | • | • | | | • | |
| SFP for fiber network | | | | • | • | • | | | | • | • | • | | | • | • | | • |
| Integrated Smart Card reader | | | | | | | • | • | • | • | • | • | | | | | | |
| CESG CPA Certified NATO IAPC Certified | | • | | | | • | | • | | | | • | | • | | • | | |

FULL DETAILS ON PAGE 2

FULL DETAILS ON PAGE 3



Zero Client Product Selector Chart - Dual Video

| Product Name | DXZC | DXZC-A | DXZC-E | DXZC-M | DXZC-EM | DXZC-AM | DXZC-C | DXZC-AC | DXZC-EC | DXZC-MC | DXZC-EMC | DXZC-AMC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client Type | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | |
| Form Factor | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | Standalone | |
| Connectivity | | | | | | | | | | | | | |
| Remote Workstation w/ PCoIP Host Card | • | • | • | • | • | • | • | • | • | • | • | • | |
| VMware Horizon w/ PCoIP | • | • | • | • | • | • | • | • | • | • | • | • | |
| Amazon Web Service Workspaces | • | • | • | • | • | • | • | • | • | • | • | • | |
| Compliance & Certifications | | | | | | | | | | | | | |
| CPA (Secure) Certification¹ | | • | | | | • | | • | | | | • | |
| NATO IAPC¹ | | • | | | | • | | • | | | | • | |
| TAA Compliant | • | • | • | • | • | • | • | • | • | • | • | • | |
| EN55022, EN55024, CE, FCC Part 15² | • | • | • | • | • | • | • | • | • | • | • | • | |
| TEMPEST option | • | • | • | • | • | • | • | • | • | • | • | • | |
| Processor | | | | | | | | | | | | | |
| Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | TERA 2321 PCoIP Processor | |
| RAM³ | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB | |
| PCoIP Decode | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware | |
| Interfaces | | | | | | | | | | | | | |
| Displays | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Dual video | • | • | • | • | • | • | • | • | • | • | • | • | |
| Display Resolution (maximum) | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | 1 @ 2560 x 1600 1 @ 3440 x 1440 ⁴ 2 @ 1920 x 1200 | |
| Display Interfaces | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | 2 x DisplayPort | |
| USB | | | | | | | | | | | | | |
| USB Ports | 4 x USB 2.0 | 4 x USB 2.0 | 8 x USB 2.0 | 4 x USB 2.0 | 8 x USB 2.0 | 4 x USB 2.0 | 3 x USB 2.0 | 3 x USB 2.0 | 8 x USB 2.0 | 3 x USB 2.0 | 8 x USB 2.0 | 3 x USB 2.0 | |
| USB | 2 x USB 2.0 (front) 2 x USB 2.0 (rear) | 2 x USB 2.0 (front) 2 x USB 2.0 (rear) | 2 x USB 2.0 (front) 6 x USB 2.0 (rear) | 2 x USB 2.0 (front) 2 x USB 2.0 (rear) | 2 x USB 2.0 (front) 6 x USB 2.0 (rear) | 2 x USB 2.0 (front) 2 x USB 2.0 (rear) | 2 x USB 2.0 (front) 1 x USB 2.0 (rear) | 2 x USB 2.0 (front) 1 x USB 2.0 (rear) | 2 x USB 2.0 (front) 6 x USB 2.0 (rear) | 2 x USB 2.0 (front) 1 x USB 2.0 (rear) | 2 x USB 2.0 (front) 6 x USB 2.0 (rear) | 2 x USB 2.0 (front) 1 x USB 2.0 (rear) | |
| USB-IF Compliant Rapid Charge Ports | | | 2 | | 2 | | | | 2 | | 2 | | |
| Integrated Smart Card reader | | | | | | | • | • | | • | | • | |
| USB Smart Card (option) | • | • | • | • | • | • | • | • | • | • | • | • | |
| Audio | | | | | | | | | | | | | |
| Stereo Headset (headphones & microphone) 3.5mm jack | • | • | • | • | • | • | • | • | • | • | • | • | |
| Stereo Microphone 3.5mm jack⁵ | • | • | • | • | • | • | • | • | • | • | • | • | |
| Stereo line out 3.5mm jack | • | • | • | • | • | • | • | • | • | • | • | • | |
| Networking | | | | | | | | | | | | | |
| RJ45 10/100/1000 copper | • | • | • | | | | • | • | • | | | | |
| SFP slot for copper or fibre module (1Gbit/s or 100Mbit/s) | | | | • | • | • | | | | • | • | • | |
| Additional Security (see product documentation for complete set of security features) | | | | | | | | | | | | | |
| Hardware USB security/lockdown | • | • | • | • | • | • | • | • | • | • | • | • | |
| Smart card⁶ (CAC, PIV, SIPRNet, eToken etc), proxcard, RSA SecureID tokens etc. | • | • | • | • | • | • | • | • | • | • | • | • | |
| Encryption | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 |
| IEEE 802.1x Network Authentication, SCEP certificate management | • | • | • | • | • | • | • | • | • | • | • | • | |
| EMI security shielding | • | • | • | • | • | • | • | • | • | • | • | • | |
| Kensington lock slot | • | • | • | • | • | • | • | • | • | • | • | • | |
| Power⁸ | <9W | <9W | <9W | <11W | <11W | <11W | <9W | <9W | <9W | <11W | <11W | <11W | |
| Cooling | Passive | Passive | Passive | Passive | Passive | Passive | Passive | Passive | Passive | Passive | Passive | Passive | |
| Enclosure | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | Robust metal case | |
| Locking power cable | • | • | • | • | • | • | • | • | • | • | • | • | |

Notes:

- 1 - These zero client models are certified as secure by the UK Government by National Cyber Security Center (NCSC/CESG) CPA Certification at Foundation Grade and listed on NATO Information Assurance Product Catalogue (IAPC).
- 2 - Conforms to the relevant parts of the specifications listed.
- 3 - Used for PCoIP decode only. Not accessible for user application data storage to maintain high security.
- 4 - Up to 3440 x 1440 display resolution supported when connecting to Horizon View virtual desktops.
- 5 - When a microphone is plugged into the Mic socket, the Headset socket switches to audio output only.
- 6 - Requires external smart card reader for models that do not have an integrated reader.
- 7 - NSA Suite B Cyphers are supported when connecting zero client to Amulet Hotkey Remote Workstation Cards.
- 8 - Typical power not including USB peripherals.

Zero Client Product Selector Chart - Quad & Octal Video

| Product Name | DXZ4 | DXZ4-A | DXZ4-M | DXZ4-AM | DXR-Z4 with RJ45 | DXR-Z4 with SFP |
|---|---|---|---|---|---|---|
| Client Type | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client | PCoIP Zero Client |
| Form Factor | Standalone | Standalone | Standalone | Standalone | Rack mount | Rack mount |
| Connectivity | | | | | | |
| Remote Workstation w/ PCoIP Host Card | • | • | • | • | • | • |
| VMware Horizon w/ PCoIP | • | • | • | • | • | • |
| Amazon Web Service Workspaces | • | • | • | • | • | • |
| Compliance & Certifications | | | | | | |
| CPA (Secure) Certification ¹ | | • | | • | | |
| NATO IAPC ¹ | | • | | • | | |
| TAA Compliant | • | • | • | • | • | • |
| EN55022, EN55024, CE, FCC Part 15 ² | • | • | • | • | • | • |
| TEMPEST option | • | • | • | • | • | • |
| Processor | | | | | | |
| Processor | TERA 2140 PCoIP Processor | TERA 2140 PCoIP Processor | TERA 2140 PCoIP Processor | TERA 2140 PCoIP Processor | TERA 2140 PCoIP Processor | TERA 2140 PCoIP Processor |
| RAM ³ | 512MB | 512MB | 512MB | 512MB | 512MB | 512MB |
| PCoIP Decode | Hardware | Hardware | Hardware | Hardware | Hardware | Hardware |
| Interfaces | | | | | | |
| Displays | 4 | 4 | 4 | 4 | 4 | 4 |
| Dual video | • | • | • | • | • | • |
| Quad video | • | • | • | • | • | • |
| Octal video ⁴ | • ⁴ | • ⁴ | • ⁴ | • ⁴ | • ⁴ | • ⁴ |
| Display interfaces (DVI, VGA, Dual-link DVI options) ⁴ | 4 x DisplayPort | 4 x DisplayPort | 4 x DisplayPort | 4 x DisplayPort | 4 x DisplayPort | 4 x DisplayPort |
| Display Resolution (maximum) | 2 @ 2560 x 1600 2 @ 3440 x 1440 ⁵ 4 @ 1920 x 1200 | 2 @ 2560 x 1600 2 @ 3440 x 1440 ⁵ 4 @ 1920 x 1200 | 2 @ 2560 x 1600 2 @ 3440 x 1440 ⁵ 4 @ 1920 x 1200 | 2 @ 2560 x 1600 2 @ 3440 x 1440 ⁵ 4 @ 1920 x 1200 | 2 @ 2560 x 1600 2 @ 3440 x 1440 ⁵ 4 @ 1920 x 1200 | 2 @ 2560 x 1600 2 @ 3440 x 1440 ⁵ 4 @ 1920 x 1200 |
| Dual Unit Display Resolution ⁴ (maximum) | 4 @ 2560 x 1600 8 @ 1920 x 1200 | 4 @ 2560 x 1600 8 @ 1920 x 1200 | 4 @ 2560 x 1600 8 @ 1920 x 1200 | 4 @ 2560 x 1600 8 @ 1920 x 1200 | 4 @ 2560 x 1600 8 @ 1920 x 1200 | 4 @ 2560 x 1600 8 @ 1920 x 1200 |
| USB | | | | | | |
| USB 2.0 | 4 | 4 | 4 | 4 | 3 | 3 |
| USB Ports | 2 x USB 2.0 (front) 2 x USB 2.0 (back) | 2 x USB 2.0 (front) 2 x USB 2.0 (back) | 2 x USB 2.0 (front) 2 x USB 2.0 (back) | 2 x USB 2.0 (front) 2 x USB 2.0 (back) | 3 x USB 2.0 (back) | 3 x USB 2.0 (back) |
| USB Smart Card (option) | • | • | • | • | • | • |
| Audio | | | | | | |
| Stereo headphones 3.5mm jack | • | • | • | • | • | • |
| Stereo Microphone 3.5mm jack | • | • | • | • | • | • |
| Stereo line out 3.5mm jack | • | • | • | • | • | • |
| Networking | | | | | | |
| Redundant Network (2 ports) | • | • | • | • | | |
| RJ45 10/100/1000 copper | • | • | | | • | |
| SFP slot for copper or fibre module (1Gbit/s or 100Mbit/s) | | | • | • | | • |
| Additional Security | | | | | | |
| Hardware USB security/lockdown | • | • | • | • | • | • |
| Smart card ⁶ (CAC, PIV, SIPRNet, eToken etc), proxcard, RSA SecureID tokens etc. | • | • | • | • | • | • |
| Encryption | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 | NSA Suite B Cyphers ⁷ 256-bit AES 128 bit AES TLS 1.0, 1.1, 1.2 |
| IEEE 802.1x Network Authentication, SCEP certificate management | • | • | • | • | • | • |
| Front panel lock ⁸ | • | • | • | • | • | • |
| EMI security shielding | • | • | • | • | • | • |
| Kensington lock slot | • | • | • | • | • | • |
| Redundant power supply | | | | | • | • |
| Power ⁹ | <12W | <12W | <12W | <12W | <12W | <12W |
| Cooling | Passive | Passive | Passive | Passive | Active | Active |
| Enclosure | Robust metal case | Robust metal case | Robust metal case | Robust metal case | DXR robust metal enclosure | DXR robust metal enclosure |
| Locking power cable | • | • | • | • | | |

Notes:

- 1 - These zero client models are certified as secure by the UK Government by National Cyber Security Center (NCSC/CESG) CPA Certification at Foundation Grade and listed on NATO Information Assurance Product Catalogue (IAPC).
- 2 - Conforms to the relevant parts of the specifications listed.
- 3 - Used for PCoIP decode only. Not accessible for user application data storage to maintain high security.
- 4 - Octal 1920 x 1200 display and quad 2560 x 1600 display configurations are supported using two DXZ4 clients connecting to a remote workstation with two Amulet Hotkey Remote Workstation Cards.
- 5 - Up to 3440 x 1440 display resolution supported when connecting to Horizon View virtual desktops.
- 6 - Requires external smart card reader for models that do not have an integrated reader.
- 7 - NSA Suite B Cyphers are supported when connecting zero client to Amulet Hotkey Remote Workstation Cards
- 8 - Front panel button lock to avoid accidental operation when client is installed in a secure cable tray/drawer.
- 9 - Typical power not including USB peripherals.

