DX Series Thin Clients

Secure, high-performance, Intel-based Thin Client Devices

Solution Brief

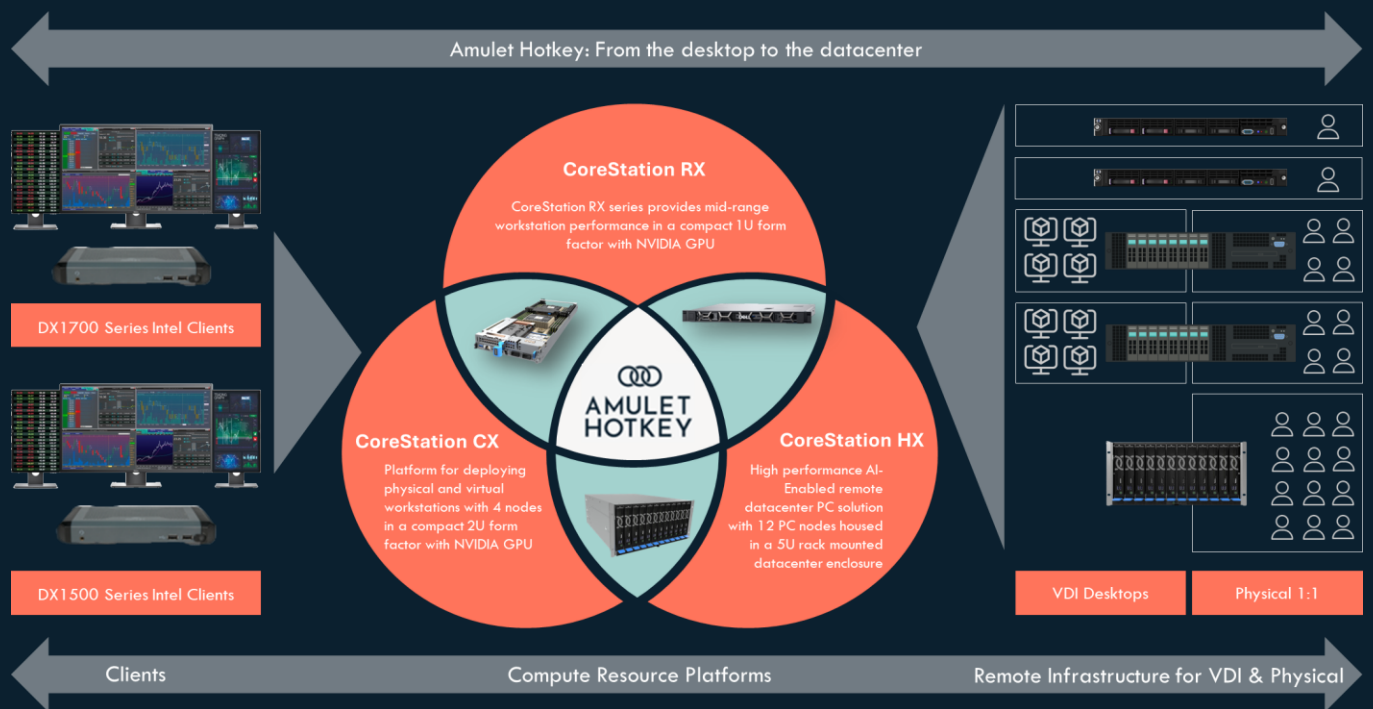## Amulet Hotkey DX Thin Clients running Dell ThinOS Operating System

Executive Summary

Amulet Hotkey client solutions enable organizations to deploy secure remote desktop environments to its employees. Designed and manufactured in the UK, Amulet Hotkey client devices enable end users to interact with their remote desktop environment. Whether that is a physical desktop solution delivered from the datacenter, or a virtual desktop environment, Amulet Hotkey provides client devices to suit all use cases, essential to addressing the highly varied user requirements that many organisations need to support.

With that comes the flexibility to run the operating environment to meet those use case demands.

As part of the broader product portfolio, Amulet Hotkey offers a range of datacenter, AI-enabled PCs, high-end rack-mounted workstations, and ultra-dense server compute nodes, designed and optimized for virtual desktop environments.

Amulet Hotkey also brings years of experience in optimizing for performance and user experience.

Amulet Hotkey: From the desktop to the datacenter

CoreStation RX
CoreStation RX series provides mid-range workstation performance in a compact 1U form factor with NVIDIA GPU

CoreStation CX
Platform for deploying physical and virtual workstations with 4 nodes in a compact 2U form factor with NVIDIA GPU

CoreStation HX
High performance AI-Enabled remote datacenter PC solution with 12 PC nodes housed in a 5U rack mounted datacenter enclosure

DX1700 Series Intel Clients

DX1500 Series Intel Clients

VDI Desktops | Physical 1:1

Clients | Compute Resource Platforms | Remote Infrastructure for VDI & Physical

Dell ThinOS is Dell Technologies' purpose built, ultra lightweight operating system engineered specifically to run on thin client devices.

It is optimized for secure, high performance virtual desktop infrastructure (VDI), cloud workspaces, and to connect remotely to physical datacenter desktop resources providing organizations with a minimal attack surface, simplified management, and robust compatibility with leading virtualization platforms.

DX Thin Clients
Dell ThinOS

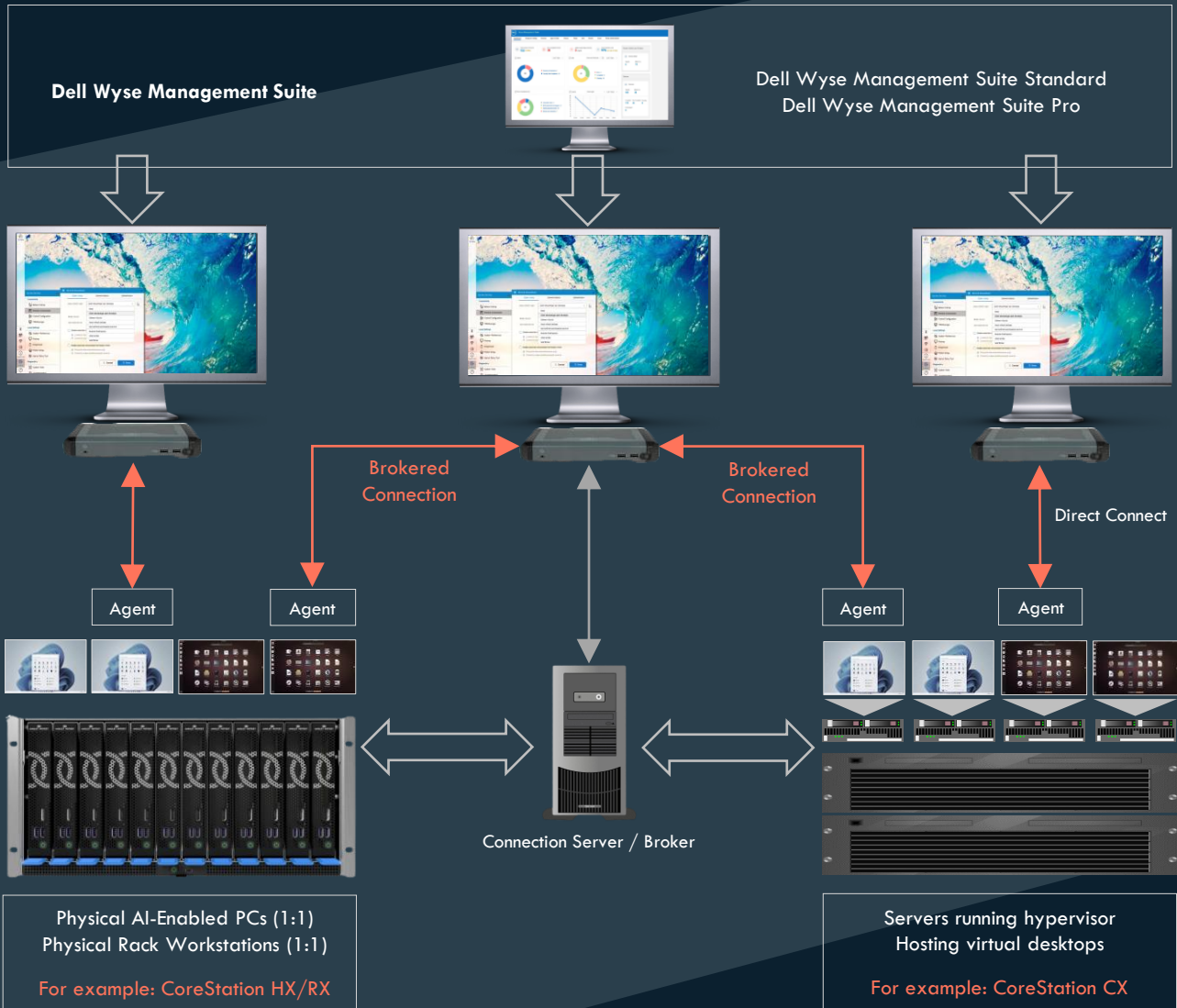Solution Brief

Solution Overview

Connecting from the edge with DX Series thin clients and Dell ThinOS

This solutions brief focuses on enabling end users to connect to remote desktop resources, whether that is a physical datacenter PC, or a virtual desktop.

End users can connect from their DX thin client, running Dell ThinOS, directly to their desktop resources on a 1:1 basis, or they can be brokered via a connection server using solutions such as Citrix Virtual Apps and Desktops, or Omnissa Horizon.

High-level architecture overview

From their centrally managed Dell ThinOS powered DX thin client, end users can securely connect to their remote desktop resources, delivering a high-performance desktop experience.

Dell Wyse Management Suite

Dell Wyse Management Suite Standard
Dell Wyse Management Suite Pro

Brokered Connection

Brokered Connection

Direct Connect

Agent   Agent   Agent   Agent

Connection Server / Broker

Physical AI-Enabled PCs (1:1)
Physical Rack Workstations (1:1)

For example: CoreStation HX/RX

Servers running hypervisor
Hosting virtual desktops

For example: CoreStation CX

Why Amulet Hotkey DX Series Thin Clients?

Client solutions for remote connectivity

The latest evolution of DX Series thin clients, has a range of options, configurations, and additions which can be included or scaled to meet the exacting requirements of defence customers as well as other environments that demand an altogether different level of features when it comes to delivering secure computing environments in the confines of the office or deployed in the field.

High Performance Thin Clients

Amulet Hotkey DX thin clients provide the **only true thin client solution** (with passive cooling and low power consumption) that can **support quad video** outputs when running Dell ThinOS. This enables the solution to support 4k UHD resolutions (3840 x 2160), running at 60Hz, delivering a high-performance graphics capability for power users.

By deploying the latest 13th Gen Intel CPU technology (with Intel i3, i5, or Intel U300 CPU options available), and up to 16GB RAM, the DX Series thin clients deliver the performance required for smooth video playback and high-motion full screen video taking advantage of GPU accelerated virtual desktops and remote physical AI-enabled PCs and workstations

Secure By Design

Physical Tamper Switch Protection

Multiple tamper switches protect case & internal components from compromise

Centralized Management

Enterprise-class management with firmware and security patches

802.1x Network Access Control

Industry-standard method to ensure only known devices can connect to the network

Why Dell ThinOS?

Purpose built, ultra lightweight OS engineered for thin client devices

Growing cyber threats pose significant security challenges to endpoint devices. Managing diverse hardware and software environments across widespread teams adds to IT complexity. There is also a need for high-performance, dependable connections to VDI and cloud services without burdening local resources. Additionally, strict compliance standards in regulated sectors make protecting endpoint data essential.

High Performance Secure Thin Clients

Secure-first design

Zero local attack surface, with no general-purpose OS subsystems, local file storage, or API exposure

Cloud ready & VDI optimized

Seamless integration with Citrix, Omnissa, and Microsoft AVD, delivering high fidelity performance

Centralized management

Admins can configure, update, and monitor devices remotely via Dell Wyse Management Suite

Minimal overheads

Lightweight footprint enables thin clients to run efficiently, extending device lifecycle.

Key Features & Capabilities

Read only firmware image

Prevents unauthorized changes and malware persistence
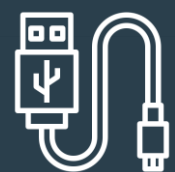
Instant on boot

Improves productivity by reducing power on and boot times

Secure firmware updates

Digitally signed updates ensure authenticity for firmware updates

Peripheral support

USB redirection, smart cards, and audio/video peripherals

Deploying Dell ThinOS ensures that your end users have a secure, high-performing end point from where they can connect to their remote desktop environments.

Not only that, for IT admins, it delivers simplified operations by having a reduced attack surface, lower TCO, and centralized management for fast troubleshooting, updating, and deploying devices.

In Summary

This solutions brief has provided a high-level overview of how the Amulet Hotkey DX series of thin clients integrate seamlessly with the Dell ThinOS operating system to provide end users with a scalable, flexible, secure, and performant thin client solution for connecting to their remote desktop experience.

Dell ThinOS is not a general-purpose operating system - and that's its strength. By stripping away unnecessary functionality, it delivers a high security, low maintenance endpoint environment purpose built for virtual and cloud desktops. When paired with strong network infrastructure and centralized management, it empowers IT teams to confidently scale secure access to business resources.
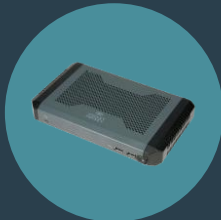
Amulet Hotkey thin clients provide a flexible and secure hardware platform that fully supports running Dell ThinOS as the operating system. Designed and manufactured in the UK, and engineered to a high standard with a fanless and robust case design with no moving internal parts, ensures increased uptimes and longer mean time between failures. Amulet Hotkey thin clients not only deliver the performance required in demanding desktop environments but also add a layer of hardware security too with configurable tamper switches and the choice of copper or SFP fiber networking.

Find out more

To find out more about Amulet Hotkey thin client solutions, or Dell ThinOS operating systems for delivering a complete end-to-end solution for high performance virtual desktop infrastructure, click the icons below:

| Dell ThinOS | DX Thin Client | CoreStation HX | CoreStation RX |

Alternatively, talk to us directly by phoning or emailing your local sales office listed below.

Contact Us

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

DX Thin Clients
Dell ThinOS

Solution Brief

www.amulethotkey.com