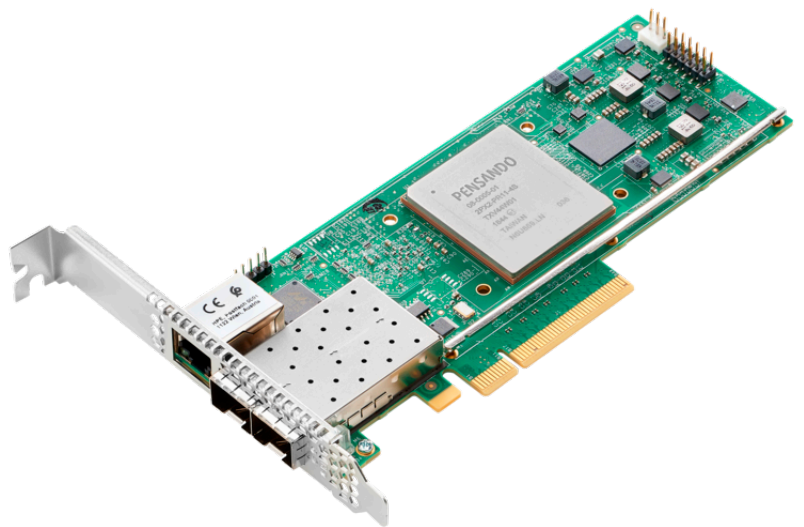




PENSANDO DISTRIBUTED SERVICES PLATFORM

Smart IO



OVERVIEW

Do you need edge acceleration in your data center? The Pensando Distributed Services Platform for Hewlett Packard Enterprise servers provides a powerful suite of software-defined services, like firewall, encryption, and tunnelling directly to the server which dramatically boosts network and security performance by moving those services to the server edge, where the transition between network and server occurs

This revolutionary approach eliminates the need for an assortment of discrete appliances throughout the data center by integrating networking and security functions into a single

device residing in a single server, tightly coupling policies to just that server and its users. No longer are server and user demands queuing behind unrelated demands on shared appliances. Coincidentally, because the functions are resourced at the server edge, performance and capacity scaling are incremental, observability is pervasive and granular, and latency is significantly reduced.

FEATURES

Always-on Telemetry and Deep Observability

Pensando Distributed Services Platform brings sophisticated wire-speed telemetry to HPE servers, providing real time observability and insights for network and storage, without affecting application performance.

Always-on telemetry at the server edge enables proactive end-to-end troubleshooting and problem reporting, minimizing down-time and significantly reducing mean time to repair (MTTR).

Micro Segmentation for KVM and Containerized Application Tiers

The Pensando Distributed Services Platform isolates KVM/Hyper-V and containerized application tiers from each other on Hewlett Packard Enterprise servers and achieves “zero-trust security” enforced within each machine by the Pensando Distributed Services Card (DSC).

Microsegmentation can be applied – per VM, container, or workload – on the DSP subsystem with full isolation from host-based vulnerabilities.

Distributed Stateful Firewall for Bare-Metal, KVM, and Containerized Environments

Pensando DSP enables policy enforcement and permitted list communications between servers within the data center (East-West security).

Pensando DSC implements an enterprise-class, centrally managed stateful firewall at each server edge.

Advanced firewall functionality includes Application Layer Gateway (ALG), and packet-based DDoS attack protection (Flood, TCP SYN, fragmentation, Ping-of-Death (PoD), and more).

Simplified Infrastructure Operations

Pensando DSP eliminates multiple discrete network and security appliances such as an East-West stateful firewall.

Eliminates complexity and latency associated with network tromboning-effect through multiple appliances.

A simplified architecture and always-on visibility results in fewer outages and faster mean time to repair (MTTR).

Replaces multiple appliances, reducing costs and complexity, all while improving security.

Pensando DSP lowers total cost of network and security services per server.



Technical specifications

Pensando Distributed Services Platform

Port speed	25 Gb
Number of ports	2
Form factor	Standup Pcie, Half-height half-length
Power	<21W
License Type	E-RTU
Support Coverage	24x7 and 5, 4, 3, and 1 year Licenses
Subscription Term	1, 3, 4, and 5 year terms



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

HPE Pointnext Tech Care provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

HPE Greenlake is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

Make the right purchase decision.
Contact our presales specialists.



Chat now (sales)



Buy now



Share now



Get updates

**Hewlett Packard
Enterprise**

© Copyright 2022 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. Microsoft and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Red Hat is a registered trademark of Red Hat Inc. in the United States and other countries. VMware ESXi and VMware vSphere are registered trademarks or trademarks of VMware Inc. and its subsidiaries in the United States and other jurisdictions. All third-party marks are property of their respective owners.

Image may differ from the actual product
[PSN1012796285PLEN](#), October, 2022.