

Data Processor Platform



Overview

The **Omni DP48C128G** is designed to ensure fast and efficient delivery of business services, **Omni DP48C1** provides the flexibility and rapid innovation of open-source, with stability and long-term production support of commercial software. Compared to other open-source alternatives, the direct expert production and integration support delivered by the **Omni DP48C1** developers and the high stability of the software increase IT productivity, speed time to deployment, and reduce business and technical risks. Compared to other commercial alternatives, OpenNebula is an adaptable and interoperable cloud management solution that delivers enterprise-class functionality, stability and scalability at significantly lower costs.

Container technologies have revolutionized the way enterprise and distributed applications are being developed and deployed. Containers allow admins to deploy, move and replicate workloads more quickly and easily than using Virtual Machines, although they come with some limitations too and some additional complexities.

The **Omni DP48C128G** combines virtualization and container technologies with multi-tenancy, automatic provision and elasticity to offer on-demand applications and services.

- It supports both containers with virtual machines in a common shared environment to get the best of both worlds.
- It integrates multiple virtualization technologies, from VMware and KVM for fully virtualized clouds to LXC and Firecracker for containerized and serverless deployments.
- It can easily deploy hybrid and edge environments with infrastructure resources from AWS, Google and Equinix.

High Performance

Computing DP48C128G

The Cloud & Edge Computing Platform that unifies public cloud simplicity and agility with private cloud performance, security and control. **DP48C128G** brings flexibility, scalability, simplicity, and vendor independence to support the growing needs of your developers and DevOps practices.

Service Features and Benefits

Technical Description

Version	1.23
Workload	Daemon Set
	Deployment
	Job
	Pods
Service	Replica Set
	Services
	Ingress
Cluster	Namespace
	Nodes
	Cluster Roles
	Event
	Persisten Volume
	Role
	Role Binding
	Service Account
Rack Unit	2 RU
Ports	6 Ports 10GbE SFP+
Processor	Dual, Intel® Xeon® Gold 6336Y 2.4G, 24C/48T, 11.2GT/s, 36M Cache, Turbo, HT (185W) DDR4-3200
Memory	128 GB
Hard Drives	Dual, 480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
Power Supply	Dual, Hot-Plug, Fully Redundant Power Supply

Secure Multi-Tenancy

Build multi-tenant Container-as-a-Service environments to manage container and function-based services. Combine the flexibility and speed of containers with the stronger security of Virtual Machines

Hybrid & Edge

Expand your on-premises infrastructure on demand by incorporating resources from public cloud or bare-metal providers like AWS and Packet, or by deploying your containerized apps at the edge

