



Front View
(Cover fitted)



Rear View
(Cover removed)

FEATURES

- Designed to OCP accepted CG-OpenRack-19 specifications
- 2U full width storage sled for DCEngine hyperscale rack systems
- Up to 16 x 3.5" drives.
- 2 x SATA drives
- 2 x 10G/25G ports to rear optical interconnect
- Integrated 80mm fans reduce noise levels compared to 1U servers
- Blind mate rear IO simplifies replacement

BENEFITS

- Higher density, lower cost - delivering hyperscale NFVi
- Can be installed and turned-up inside existing DCEngine system in minutes
- Fastest MTTR (mean time to repair)

Hyperscale Infrastructure for Communication Service Providers

The new DCEngine framework transforms service provider central offices into SDN-enabled virtualized data centers. DCEngine provides a multi-rack level network functions virtualization (NFVi) and container based infrastructure for hosting thousands of virtualized network functions (VNFs) and applications under open software-defined networking (SDN) control. Service providers use DCEngine to provide pools of compute and storage resources that they can quickly scale to meet their evolving service requirements while improving agility in their service delivery.

DCEngine utilizes the principles of highly efficient open compute platform (OCP) architectures and integrates fully supported open source software. Radisys designed flexibility into DCEngine to address telco central office demands for seismic, power, emissions and NEBS, which are above and beyond the traditional data center requirements. Radisys' wealth of telecom platform expertise, along with 25+ years of experience providing telecom professional services, makes us the ideal partner for service providers transitioning to the hyperscale data center.

DCEngine Storage Sled Highlights

- Provides modular storage capacity additions for DCEngine 42U System or 16U System
- High density storage, up to 16 x 3.5" SAS (up to 192 TBytes per sled), plus 2 x 2.5" SATA drives.
- Blind mate connections for power and network IO, field replaceable units (FRU) swapped in less than 5 minutes with no requirement to disconnect cables
- Integrated fans

Configuration Specifications

CONFIGURATION	FEATURES	
Dimensions	Height	2U
	Width	Full Width Sled
	Configuration	Supports 1 x Intel S2600TP server boards and hard drive carrier
Server Board (2 per sled)	Processors	Intel E5-26xx class processor, support for Broadwell (v4) up to 20 cores including long lifecycle and low power options
	DIMMS	Up to 16 DIMM sockets per CPU, DDR4 288-pin PC4-2133, 1.2V with ECC (up to 512GB)
	Local Storage	2 x local 2.5" SATA drives and 1 x M.2 SSD for boot / OS
	Mass Storage	Up to 16 x 12TB 3.5" SAS drives LSI / Intel 24 channel RAID / JBOD controller
	Network IO	Dual Port 10GbE or 25GbE (data plane) and 2 x 1G (Management)
Power (rear)	12VDC bus bar with blind mate to rear of sleds	
Network IO (rear)	4 x blind mate fiber ports	 <p>Option to support 1G, 10G, 25G or 40G modes (dependent on NIC installed)</p>
Cooling	Fans and management	2 x 80mm fans. Simplifies thermal management and reduces noise (vs 40mm in 1U servers)
Software	Management	System information retrieval (sys-info, sys-cfg), firmware tools (flsh-updt), diagnostics and logging, console. BMC including IPMI2.0, DCMI, Smash, WebUI
	Operating System	Redhat, Ubuntu, CoreOS, others on request
Operations and Compliance	Environmental	Designed for NEBS level 3, 0-55 deg C operating (short term)
	Regulatory	FCC and CE compliant to class B (safety and emissions/immunity)
Part Numbers (other options available on request)	DCE-SSLD-V2-2-0001	Full width storage sled, includes Intel S2600TP server blade, fitted with two 2630L-v4 low power long lifecycle processor (1.8GHz, 10 core). Includes 128GB DDR4 ECC memory (8 x 16GB DIMMs). Each sled includes 1 x 512GB OS/flash disk and 2 x 1TB SSD and 16x 12TB (192TB total) 3.5" SAS drives, dual 10G and dual 1G fiber NIC