



**Front View**  
(Cover fitted)



**Rear View**  
(Cover removed)

## FEATURES

- Designed to OCP accepted CG-OpenRack-19 specifications
- 2U half width compute sled for DCEngine hyperscale rack systems
- 1 or 2 Intel S2600TP server boards, each with 2 CPUs and 16 DIMM sockets
- Integrated hard 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

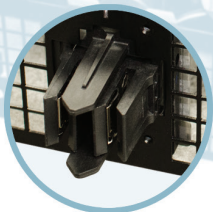

The new DCEngine framework transforms service provider central offices into SDN-enabled virtualized data centers. DCEngine provides a multi-rack level network functions virtualization (NFVi) and container based infrastructure for hosting thousands of virtualized network functions (VNFs) and applications 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 Compute Sled Highlights

- Provides modular compute processing capacity additions for DCEngine 42U System or 16U System
- Scalable performance from Intel® Xeon® E5-2600v4 server class processors, balancing performance, cost and power dissipation.
- Up to four Intel® Xeon® E5-2600v4 server class processors per 2U half-width compute sled.
- Up to eight processors per 2U DCEngine shelf.
- Expansion for local HDD and network I/O
- Blind mate connections for power and network IO, field replaceable units (FRU) swapped in < 5 mins with no requirement to disconnect cables
- Integrated fans

## Configuration Specifications

CONFIGURATION	FEATURES	
<b>Dimensions</b>	Height	2U
	Width	Half Width Sled
	Configuration	Supports 2 x server boards, up to four sockets, dual disk and NIC expansion card
<b>Server Board (2 per sled)</b>	Processors	Intel E5-26xx class processor, support for Broadwell (v4) up to 20 cores, including long lifecycle and low power options
	DIMMS	16 DIMM sockets. DDR4 288-pin PC4-2133, 1.2V with ECC (up to 512GB)
	Storage	2 x 2.5" SSD
	Network IO	Dual Port 10GbE or 25GbE (data plane) and 2 x 1G (Management)
<b>Power (rear)</b>	12VDC bus bar with blind mate to rear of sleds	
<b>Network IO (rear)</b>	4 x blind mate fiber ports	 <p>Option to support 1G, 10G, 25G or 40G modes (dependent on NIC installed)</p>
<b>Cooling</b>	Fans and management	2 x 80mm fans. Simplifies thermal management and reduces noise (vs 40mm in 1U servers)
<b>Software</b>	Management	System information retrieval (sys-info, sys-cfg), firmware tools (flash-updt), diagnostics and logging, console, BMC including IPMI2.0, DCMI, Smash, WebUI
	Operating System	Redhat, Ubuntu, CoreOS, others on request
<b>Operations and Compliance</b>	Environmental	Designed for NEBS level 3, 0-55 deg C operating (short term). Targets requirements of GR-63-CORE and GR-1089-CORE
	Regulatory	FCC and CE compliant to class B (safety and emissions/immunity)
<b>Part Numbers (other options available on request)</b>	DCE-CSLD-V2-2-0001	Half width CPU sled, includes 2x Intel S2600TP server blades, each fitted with two E5-2630L-v4 (1.8GHz, 10 core) low power long lifecycle processors. Each server board includes 128GB DDR4. ECC memory (8 x 16GB DIMMs) and 1 x 512GB OS/flash disk, 2 x 2TB SSD disks.
	DCE-CSLD-V2-9-0M01	Half width CPU sled, includes 2x Intel S2600TP server blades, each fitted with two E5-2698-v4 (2.2Ghz, 20 core) long lifecycle processors. Each server board includes 256GB DDR4 ECC memory (16 x 16GB DIMMs), dual 10G, dual 1G fiber NIC and 1 x 512GB OS/flash disk, 2 x 2TB SSD disks.