

Cabinets – Compute and Storage Rack

SERVITE RACK, 42 U



01018006



01018007



01018008

- Designed to the OCP accepted CG-OpenRack-19 specification
- Integrated Rack with various configurations of full width and half width shelves for compute, media engine and storage sleds
- Configurable compute, storage and network resources for SDN and NFV applications
- Top of Rack management and data plane switches
- Blind mate rear power and data connection simplifies changing of sleds
- Rear fiber optic cable connections for management and data plane
- 2 x 12 V_{DC} rear bus bar to power the sleds
- Integrated Power distribution unit with redundant mains inlet, outlets for top of rack switches and 12 V_{DC} connections to the rear bus bars
- Dedicated slot inside the PDU to accept Schroff ServCite Rack Agent
- Optional Rear Door Cooler



DELIVERY INCLUDES

Item	Qty	Description
1	1	ServCite Rack 42 HE, 600 mm width, 1200 mm depth, with TOR-switches, Fibre optic cabling, PDU and mains inlet cable

NOTE

- Prices and delivery times available on request
- Other configurations available on request

Rear view

ORDER INFORMATION

Height U	Width mm	Depth mm	Input	Power Supply and Distribution Unit (PDU)	Number of full width shelves	Number of half width shelves	Top of Rack Switches	Power bus bars	Part no.
42	600	1200	Independent -48 V _{DC} inputs (20 pieces), at the top of the rack	18 x 3000 W PSU's, -48 V _{DC} input, 12 V _{DC} output, Switches directly fed with -48 V _{DC}	9	16	2 x redundant data plane switches up to 40 GbE 1x Management-Switch, 1x IPMI-Switch	2 vertical 12 V _{DC} bus bars	11991-108
42	600	1200	Redundant 208 V _{AC} , 3-phase delta input (US), at the top of the rack	18 x 3000 W PSUs, 208 ... 240 V _{DC} input, 12 V _{DC} output, switches directly fed with AC	9	16	2 x redundant data plane switches up to 40 GbE, 1x Management-Switch, 1x IPMI-Switch	2 vertical 12 V _{DC} bus bars	11991-110
42	600	1200	Redundant 230/400 V _{AC} , 3-phase Star connection (EU) input, on top of the rack	18 x 3000 W PSUs, 208 ... 240 V _{DC} input, 12 V _{DC} output, switches directly fed with AC	13	4	2 x redundant data plane switches up to 40 GbE, 1x Management-Switch, 1x IPMI-Switch	2 vertical 12 V _{DC} bus bars	11991-112

Accessories

Rack agent for -48 V _{DC} ServCite racks	1 piece	21991-531
Rack agent for AC ServCite racks	1 piece	21991-533

Related products

Taylor Pass Compute Sled	1 piece	21991-534
Skylake Compute Sled	1 piece	21991-528
Media Engine Slad	1 piece	21991-530
Half width Storage Sled	1 piece	21991-532
Full width Storage Sled	1 piece	21991-529

Cabinets – Compute and Storage Rack

SERVITE RACK, 16 U



01018009

01018010

- Designed to the OCP accepted CG-OpenRack-19 specification
- Integrated Rack with various configurations of full width and half width shelves for compute, media engine and storage sleds
- Configurable compute, storage and network resources for SDN and NFV applications
- Top of Rack management and data plane switches
- Blind mate rear power and data connection simplifies changing of sleds
- Rear fiber optic cable connections for management and data plane
- 2 x 12 V_{DC} rear bus bar to power the sleds
- Integrated Power distribution unit with redundant mains inlet, outlets for top of rack switches and 12 V_{DC} connections to the rear bus bars
- Dedicated slot inside the PDU to accept Schroff ServCite Rack Agent
- Optional Rear Door Cooler

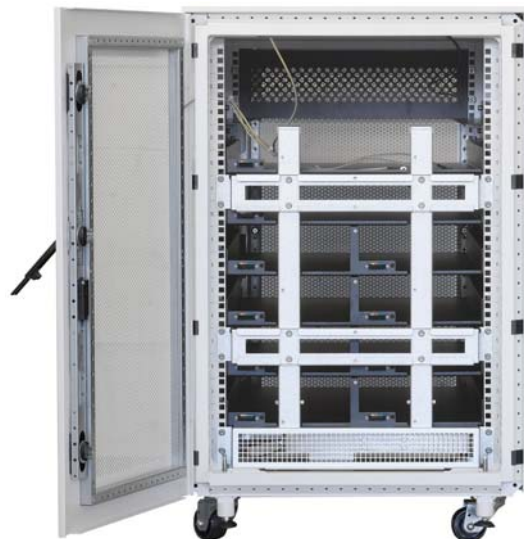


DELIVERY INCLUDES

Item	Qty	Description
1	1	ServCite Rack 16 U, 600 mm width, 1200 mm depth, with TOR-switches, Fibre optic cabling, PDU and mains inlet cable

NOTE

- Prices and delivery times available on request
- Other configurations available on request



Rear view

01018011

ORDER INFORMATION

Height U	Width mm	Depth mm	Input	Power Supply and Distribution Unit (PDU)	Number of full width shelves	Number of half width shelves	Power bus bars	Part no.
16	600	1000	Independent -48 V _{DC} inputs (6 pieces), at the top of the rack	6 x 3000 W PSU's, -48 V _{DC} input, 12 V _{DC} output, Switches directly fed with -48 V _{DC}	2	8	2 vertical 12 V _{DC} bus bars	11991-114
16	600	1000	Redundant 208 V _{AC} , 3-phase delta input (US), at the top of the rack	6 x 3000 W PSUs, 208 ... 240 V _{DC} input, 12 V _{DC} output, switches directly fed with AC	2	8	2 vertical 12 V _{DC} bus bars	11991-116

Accessories

Rack agent for -48 V _{DC} ServCite racks	1 piece	21991-531
Rack agent for AC ServCite racks	1 piece	21991-533

Related products

Taylor Pass Compute Sled	1 piece	21991-534
Skylake Compute Sled	1 piece	21991-528
Media Engine Slad	1 piece	21991-530
Half width Storage Sled	1 piece	21991-532
Full width Storage Sled	1 piece	21991-529

Cabinets – Compute and Storage Rack

SERVICITE RACK AGENT



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- The Rack Agent is designed to expose managed sensors of the ServCite Rack PDU to data center management applications
- The rack-level power consumption and PSU health/status can be monitored remotely via a 10/100/1G Ethernet connection
- The Rack Agent is designed as a hot-swappable plug-in unit and can be inserted into a dedicated slot of the ServCite Rack PDU
- Monitors the PDU circuit breakers and the PSUs
- Interface to control an optional Rear Door Cooler
- Prepared for the installation and integration of a Schroff rack access control system



DELIVERY INCLUDES

Item	Qty	Description
1	1	ServCite Rack Agent

ORDER INFORMATION

Description	Input	Height U	Part no.
Rack Agent for -48 V _{DC} ServCite Racks	48 V _{DC}	1	21991-531
Rack Agent for AC ServCite Racks	100 ... 240 V _{AC}	1	21991-533

NOTE

- Prices and delivery times available on request
- Other configurations available on request

Cabinets – Compute and Storage Rack

SERVITE COMPUTE SLED



- Developed according to the OCP accepted CG-OpenRack-19 specification
- 2 U Compute sled with half width for ServCite rack systems
- Optical connectors on the back for management and data connections
- 12 V_{DC} power connector on the back
- Integrated temperature-controlled 80 mm fan
- Sled is hot-swappable without having to disconnect cables
- Developed for NEBS Level 3
- 2 x Half SSI Intel Server Board with 2 installed CPUs



01018012

DELIVERY INCLUDES

Item	Qty	Description
1	1	Shielded sled, 2 HE, 780 mm, black powder coated RAL 9005 with integrated hardware

NOTE

- Prices and delivery times available on request
- Other configurations available on request



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Front view of the open sled



01019012

Rear view of the open sled

ORDER INFORMATION

Descr.	Height U	Width mm	Input	Network IO	Airflow	Server Board	Processor	DIMMS	OS / Flash-Disk	Storage	Transmission rate (data level)	Transmission rate (management)	Part no.
Taylor Pass Compute Sled	2	Half width	12 V _{DC} blind-mate busbar connector on the back	HBMT fiber optics connector, 4 positions at rear side	Cooling from front to back with 2 x 80 mm fans	2 x Intel BBS2600T PR	4 x Intel Xeon E5-2630L v3, 8 cores @ 1.8 GHz	16 x 16 GB DDR4 DIMM288 with ECC, 8 x on each server board	2 x 512 GB M.2 NVMe SSD	4 x 2 TB SSD	4 x 10 GbE	4 x 1 GbE	21991-534
Skylake Compute Sled	2	Half width	12 V _{DC} blind-mate busbar connector on the back	HBMT fiber optics connector, 4 positions at rear side	Cooling from front to back with 2 x 80 mm fans	2 x Intel S2600BPB	4 x Intel Xeon Gold E5-6140 v5, 18 cores @ 2.3 GHz	24 x 32 GB DDR4 DIMM288 with ECC, 12x on each server board	2 x 512 GB M.2 NVMe SSD	4 x 2 TB SSD	4 x 25 GbE	4 x 1 GbE	21991-528

Cabinets – Compute and Storage Rack

SERVITE MEDIA ENGINE SLED



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- Developed according to the OCP accepted CG-OpenRack-19 specification
- 2 U Media engine Sled with half width for ServCite rack systems
- Optical connectors on the back for management and data connections
- 12 V_{DC} power connector on the back
- Integrated temperature-controlled 80 mm fan
- Sled is hot-swappable without having to disconnect cables
- Developed for NEBS Level 3
- 1 x Half SSI Intel Server Board with 2 installed CPUs
- 4 x DSP cards for audio-video processing



DELIVERY INCLUDES

Item	Qty	Description
1	1	Shielded sled, 2 HE, 780 mm, black powder coated RAL 9005 with integrated hardware

NOTE

- Prices and delivery times available on request
- Other configurations available on request



Rear view

01018013



View of the open sled

01018014

ORDER INFORMATION

Height U	Width mm	Depth mm	Input	Network IO	Airflow	Server Board	Processor	DIMMS	OS / Flash-Disk	Storage	Transmission rate (data level)	Transmission rate (management)	DSP card	Part no.
2	Half width	780	12 V _{DC} blind-mate busbar connector on the back	HBMT fibre optics connector, 4 positions at rear side	Cooling from front to back with 2 x 80 mm fans	1 x Intel S2600B PS	2 x Intel Xeon Silver 4114, 10 cores at 2.2 GHz	4 x 8 GB DDR4 DIMM288 with ECC	1 x 512 GB M.2 NVMe SSD	2 x 2 TB SSD	2 x 10 GbE	2 x 1 GbE	4 x DSP card with 8 x DSP, 1.25 GHz each	21991-530

Cabinets – Compute and Storage Rack

SERVITE STORAGE SLED



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- Designed to the OCP accepted CG-OpenRack-19 specification
- 2 U Half Width / Full Width Storage Sled for ServCite rack Systems
- Optical blind mate rear payload and management connectors
- 12 V_{DC} blind mate connector on the rear side
- Integrated temperature controlled 80 mm fans
- Sled is hot swappable with no requirement to disconnect cables
- Designed for NEBS level 3
- 1 x Half SSI Intel Server board with 2 CPUs installed
- Up to 24 x 3.5" Hard Disks



01018018

View of the open sled



DELIVERY INCLUDES

Item	Qty	Description
1	1	Shielded sled, 2 U, 780 mm, black powder coated RAL 9005 with integrated hardware

NOTE

- Prices and delivery times available on request
- Other configurations available on request



01018016

View of the open sled



01018017

ORDER INFORMATION

Height U	Width mm	Depth mm	Input	Network IO	Airflow	Server Board	Processor	DIMMS	Storage	Transmission rate (data level)	Transmission rate (management)	Part no.
2	Half width	780	12 V _{DC} blind-mate busbar connector on the back	HBMT fibre optics connector, 4 positions at rear side	Cooling from front to back with 2 x 80 mm fans	1 x Intel S2600BPS	2 x Intel Xeon E5-2620 V4, 8 cores at 2,1 GHz	8 x 16 GB DDR4 DIMM288 with ECC	4 x 2,5" 200 GB SAS SSD, 2x 2,5" 1 TB SATA SSD, 18 x 2,5" 1,8 TB SAS HDD	2 x 10 GbE	2 x 1 GbE	21991-532
2	Full width	780	12 V _{DC} blind-mate busbar connector on the back	HBMT fibre optics connector, 4 positions at rear side	Cooling from front to back with 2 x 80 mm fans	1 x Intel S2600BPS	2 x Intel Xeon Gold5118, 12 cores at 2.3 GHz	12 x 16 GB DDR4 DIMM288 with ECC	1 x M.2 512 GB SSD, 2 x 2,5" 200 GB SAS SSD, 2x 2,5" 1 TB SATA SSD, 24x 3,5" 12 TB HDD	2 x 25 GbE	2 x 1 GbE	21991-529