



Hadoop Kit # SRS-14UL63-HADP-TL

Supermicro Datacenter
Engineering & Integration

Key Features

- Optimized Turnkey Apache Hadoop Cluster
- 14U Mobile Rack with 11 Nodes and PDU
- 1x 24 Port 1G Layer 3 Ethernet Switch w/ Dual 10G Uplinks (SFP+ Connectors)
- 1x 1U Management Server
- 2x 1U Name Node/Job Tracker/Journal Manager/Resource Manager
- 4x 2U Twin Data Nodes/Task Tracker/Node Manager (8 Nodes Total)
- 48TB Storage Capacity
- Platinum Level (94%) / Gold Level (93%+) Efficiency Power Supplies
- Cabled and Labeled
- Integrated APC 30A 208V L6-30 PDU
- Cloudera and Hortonworks Certified Technology



MODEL	Cluster Management	815 Name Node	827 2U Twin Data Node (6x 3.5" HDDs per Node)
Processor Support	Intel® Xeon processor E3-1200 and E3-1200 v2 product families	Intel® Xeon® processor E5-2600 and E5-2600 v2 product families	Intel® Xeon® processor E5-2600 and E5-2600 v2 product families
Chipset	Intel® C216 Chipset	Intel® 5520 chipset with QPI up to 6.4GT/s	Intel® 5520 chipset with QPI up to 6.4GT/s
System Memory (Max)	8GB (Max. 32GB in 4 x DDR3 ECC UDIMM)	64GB (Max. 512GB in 16 x DDR3 Reg. ECC RDIMM)	32GB (Max. 256GB) of DDR3 Reg. ECC Per Node (2 nodes per system)
Expansion Slots	1 PCI-E 3.0 x16 slots, 2 PCI-E 2.0 x4 (in x8) slots	2 PCI-E 3.0 x16 slots	3 PCI-E 3.0 x 8 slots
OnBoard & AOC HBA Controllers	Intel® C216 PCH SATA RAID 0, 1, 5, 10 support	LSI® 2208 controller Hardware RAID 0, 1, 5, 6, 10 Intel® 602 SCU SATA RAID 0,1, 5,10 support	Intel®602 SCU and AHCI SATA RAID 0,1,5,10 support
Networking /VGA	Intel 82574 Dual Port Gigabit Ethernet, Intel i350 Quad Port Gigabit Ethernet, 10 Gigabit Ethernet with SFP+ connection	Intel® i350 Dual Port Gigabit Ethernet Optional 10 Gigabit Ethernet with SFP+ connection	Intel® i350 Dual Port Gigabit Ethernet Optional 10 Gigabit Ethernet with SFP+ connection
Manageability	Dedicated IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	Dedicated IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	Dedicated IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Drive Bays	2x Hot-Swap SATA HDD bays 2x 500GB HDD	4x 3.5" SAS/SATA hot-swap HDD bays 4x 300GB 15K HDD	6x per node, 1TB HDD Redundant (1+1) 920W Platinum Level (94%) high-efficiency power supplies w/ PMBus
Power Supply	Redundant (1+1) 500W Platinum Level high-efficiency power supply	Redundant (1+1) 700W Gold Level (93%) high-efficiency power supplies w/ PMBus	Redundant (1+1) 920W Platinum Level (94%) high-efficiency power supplies w/ PMBus
Cooling System	4x 4cm heavy duty counter-rotating fans	4x 4cm heavy duty counter-rotating fans	4x 8cm heavy duty fans with PWM fan speed control
Form Factor	1U rackmount chassis (25.6" depth) 16.8"W x 1.7"H x 25.6"D (426.7 x 43 x 650mm)	1U rackmount chassis (25.6" depth) 17.2"W x 1.7"H x 25.6"D (437 x 43 x 650mm)	2U rackmount chassis (28.5" depth) 17.25"W x 3.47"H x 28.5"D (438 x 88 x 724mm)

14U Rack Information

Switches / Networking	<ul style="list-style-type: none"> • SSE-G24-TG4 – 1U Rackmount 24 port Gigabit Ethernet Switch - 24 ports RJ45 copper (Includes 4 SFP Combo Ports) for 1G Ethernet - Managed L2/L3 with Industry Standard CLI and Web-GUI for management • AOM-SSE-X25 – Dual-port 10G Ethernet Uplink Module with SFP+ Connector
PDU	• APC PDU 208V L6-30 Plug/ (16) IEC 320 C13 Connectors (APC#AP7911A)
Rack Construction	• Supports EIA 19" rackmount servers with regular square mounting holes, casters, front/rear doors
Form Factor	• 21.65"W x 37.4"D x 30.64"H (55cmW x 95cmD x 77.9cmH)
Full 42U Rack Hadoop Solution	• SRS-42XL63-HADP-TL (3 Name Nodes, 36 Data Node, 10 GbE SFP+ Networking)

For detailed product information, please contact Supermicro sales.

www.supermicro.com/Hadoop