SuperChassis 847DE26-R2K02JBOD





Rear Angle View

Due to the complexity of integration, this product is sold as completely assembled systems only (with minimum 45 HDDs).

Key Features

- **Cloud backup, data Replication or high density Archive Storage Applications**

1. Extra High-Density 4U Storage Chassis
2. Dual Expander Board and Front/Rear Backplane Boards support SAS2 HDDs with 6Gbps thruoughout
3. 8x Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements
4. 1x IPMI port for Remote System Power on/off, WOL and system monitoring
5. Support NTP for time synchronization and RTC battery backup
6. 90x 3.5" HDDs in 45 (24 front + 21 rear) Hot-swap Drive Bays (2x HDD per bay)
7. 7x 9cm high efficient Hot-swap fans
8. 2000W (1+1) 95% efficient Redundant Platinum Level Digital Power Supplies

Downloads

Chassis Manual

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs	
CSE-847DE26-R2K02JBOD	▪ SuperChassis 847DE26-R2K02JBOD (**Black**)
Form Factor	
4U 90x 3.5" drive-bay Double-Sided Storage	
Dimensions	
Height	▪ 7" (178mm)
Width	▪ 17.2" (437mm)
Depth	▪ 35" (889mm)
Packaging	▪ 26" (W) x 12.5" (H) x 45.5" (L)
Gross Weight	118 lb (53.52 kg)
Available Colors	▪ Black
Drive Bays	
JBOD Chassis	▪ 90x 3.5" HDDs in 45x Hot-swap drive bays (2x HDD per bay) ▪ SAS HDD only
Backplane	
Dual SAS2 Expander HDD Backplane Board	
Front Panel	
Buttons	▪ Power On/Off button ▪ IPMI Reset button
LEDs	▪ Power LED ▪ Hard drive activity LED ▪ 1x Network activity LEDs ▪ System Overheat LED ▪ Power Fail LED

System Cooling	
Fans	▪ 7x 9cm hot-swap cooling fans ▪ Redundant cooling
System Monitoring	
IPMI	
Operating Environment (System)	
Operating Temperature Range	▪ 5°C ~ 35°C (41°F ~ 95°F)
Non-Operating Temperature Range	▪ -40°C ~ 60°C (-40°F ~ 140°F)
Operating Relative Humidity Range	▪ 8% ~ 90% (non-condensing)
Non-Operating Relative Humidity Range	▪ 5% - 95% (non-condensing)
Switching Power Supply	
2000W Redundant Power Supplies with I^2C & PMBus	
AC Input	▪ 1100W Output @ 100-120V, 12.7-10.5A, 50-60Hz ▪ 1400W Output @ 120-140V, 13.5-11.5A, 50-60Hz ▪ 1800W Output @ 200-220V, 10.0-9.5A, 50-60Hz ▪ 1980W Output @ 220-230V, 10.0-9.8A, 50-60Hz ▪ 2000W Output @ 230-240V, 10.0-9.8A, 50-60Hz
5Vsb	4A
I^2C Remote Monitoring	FRU Data / SMBus / PMBus
Certification	80 PLUS PLATINUM — **Platinum Certified** [Test Report]
Regulatory (Power Supply)	
Power Supply Safety / EMC	▪ USA - UL listed, FCC ▪ Canada - CUL listed ▪ Germany - TUV Certified ▪ Europe/CE Mark ▪ EN 60950/IEC 60950-Compliant

Components

See Parts List

Standard Parts List

	Part Number	Qty	Description
Chassis	CSE-847DE26-R2K02JBOD	1	4U Chassis (**Black**) - 847DE26-R2K02JBOD
Backplane	BPN-EXP-847DF3EL1	4	Front expander daughter card (contains 3 expander chips) for BPN-SAS2-847DF backplane (which is front backplane for SC847DE16-R1K62B system)
Backplane	BPN-SAS2-847DF	1	Front backplane for SC847DE16-R1K62B system (front backplane support 48x HDD; and rear backplane support 24x HDD; total 72x HDD)
Backplane	BPN-SAS2-847DJ	1	Rear backplane for 847D JBOD chassis, support up to 42 hard drives, SAS2 compliance,RoHS/REACH,PBF
Control Board	CSE-PTJBOD-CB3-O-P	1	CSE-PTJBOD-CB3
Control Board	MCP-280-84701-0N	4	SC847D JBOD Mini SAS HD Ext-to-Int adapter ,HF,RoHS/REACH,PBF
Cable 1	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable 2	CBL-NTWK-0584	1	CAT 5e RJ45 extension cable for SC847D JBOD internal Male to Female adapter with PCBA,7cm, 24AWG,HF,RoHS/REACH,PBF
Cable 3	CBL-SAST-0531	4	Internal Mini-SAS HD to Mini-SAS HD 80cm,30AWG,12Gb/s, HF,RoHS/REACH,PBF
Cable 4	CBL-PWCD-0578	2	Power Cord Type IEC (C14 to C13) 3 ft (14AWG), 15A, 250V,HF,RoHS/REACH,PBF
Cable 5	CBL-SAST-0593	6	Internal Mini-SAS HD to Mini-SAS HD 60cm,30AWG,12Gb/s,HF,RoHS/REACH,PBF
Cable 6	CBL-0157L-01	3	8 pin to 8 pin ribbon SGPIO cable with tube, 61.5cm, PBF
Cable 7	CBL-SAST-0568	2	Internal Mini-SAS HD to Mini-SAS HD 35cm,30AWG,12Gb/s,HF,RoHS/REACH,PBF
Power Supply	PWS-2K02P-1R	2	2000W redundant platinum power supply
Power Distributor	PDB-PT847J-B24	1	Power Distributor Board for SC847 JBOD solution.,RoHS/REACH,PBF
Air Shroud	MCP-310-84705-0N	1	SC847D JBOD middle fan air shroud
Cable 8	CBL-0217L	1	16 pin control panel converter cable for SC826,846, 22cm, PBF
Cable 9	CBL-0071L	1	ROUND 16 pin TO 16 PIN RIBBON FP CABLE 30
Fan 1	FAN-0146L4	7	92x92x38 mm, 9.7K RPM, SC847D Middle Fan w/ Housing,RoHS/REACH,PBF
Front Panel	FP846-D	1	Front control board with Dual color LED
Front Panel	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216,826,936,846
Mounting Rails	MCP-290-00057-0N	1	Rail set, quick/quick, default for 4U 17.2

Optional Parts List

	Part Number	Qty	Description
Cable(s)	CBL-SAST-0547	-	0.5m external Mini SAS HD to external IPASS. 30AWG,HF,RoHS/REACH,PBF
Cable(s)	CBL-SAST-0548	-	1m external Mini SAS HD to external IPASS. 28AWG,HF,RoHS/REACH,PBF
Cable(s)	CBL-SAST-0549	-	3m external Mini SAS HD to external IPASS. 28AWG,HF,RoHS/REACH,PBF
Cable(s)	CBL-SAST-0573	-	1m external Mini SAS HD to external mini SAS HD.28AWG, HF, RoHS/REACH, PBF

Hide Parts List

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