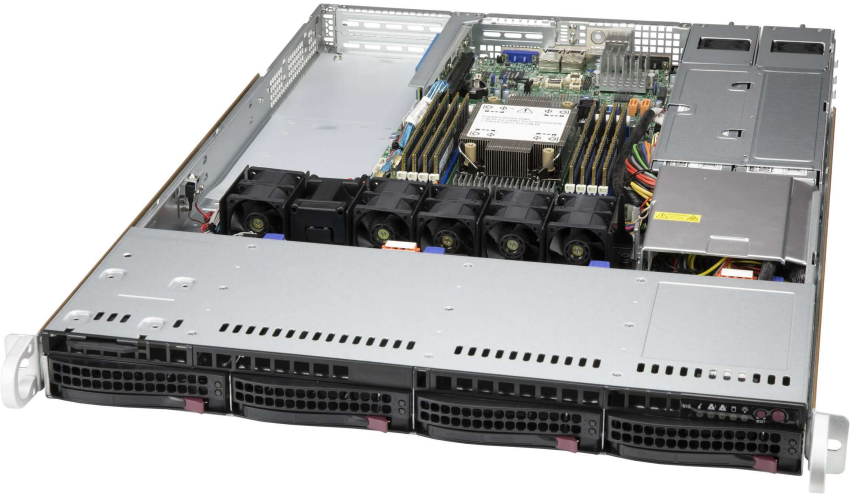
SuperChassis 815TQC4-R504WB3



Key Features

1. 1U Chassis, Support proprietary WIO MB size 8”x13” and up to 12.3”x13”
2. 4 x 3.5" hot-swap SAS3/SATA drive bay
   SAS or enterprise SATA HDD only recommended
3. 4-port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices
4. 1U 500W/600W redundant single output 80PLUS Platinum_x000D_
5. 2 full-height & full-length expansion slot(s) , 1 low-profile expansion slot(s)
6. 4 x 40x56mm counter-rotation PWM fan(s)
   Optional 2 x fans for AOC cooling

Specifications

Product SKUs

CSE-815TQC4-R504WB3	▪ SuperChassis 815TQC4-R504WB3

Form Factor

- 1U Chassis, Support proprietary WIO MB size 8”x13” and up to 12.3”x13”

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

Height	▪ 1.7" (43 mm)
Width	▪ 17.2" (437 mm)
Depth	▪ 25.6" (650 mm)
Gross Weight	▪ 36 lbs (16.33 kg)
Packaging (W x H x L)	▪ 23.6" (599 mm) x 7.9" (201 mm) x 34.1" (866 mm)
Available Color	▪ Black

Expansion Slots

- 1x Low-profile expansion slot(s)
- 2x Full-height, Full-length expansion slot(s)

Drive Bays

- 4x 3.5" hot-swap SAS3/SATA drive bay
- SAS or enterprise SATA HDD only recommended

Backplane

- 4-Port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices

Front Panel

Button	▪ Power On/Off button ▪ System Reset button ▪ Unit Identification (UID) button
LED	▪ Power status LED ▪ HDD activity LED ▪ 2 Network Activity LEDs ▪ Unit Identification (UID) LED ▪ Fan Fail/System Over Heat LED

Systems Cooling

Fans	▪ Optional 2x fans for AOC cooling ▪ 4x 40x56mm counter-rotation PWM fan(s)

Operating Environment (System)

Operating Temperature Range	▪ 5°C - 35°C (41°F - 95°F)
Non-Operating Temperature Range	▪ -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	▪ 8% - 90% (non-condensing)
Non Operating Relative Humidity Range	▪ 5% - 95% (non-condensing)

Power Supply

1U 500W/600W redundant single output 80PLUS Platinum

Power Efficiency	▪ 92%
Total Output Power and Input	▪ 600W with Input 200 - 240Vac ▪ 500W with Input 100 - 127Vac
AC Input Frequency	▪ 50-60Hz
Dimensions (L x W x H)	▪ 322 x 54.5 x 40.25 mm
Output Type	▪ Backplanes (gold finger)
+12V	▪ Max: 50A / Min: 0A (200Vac - 240Vac) ▪ Max: 42A / Min: 0A (100Vac - 127Vac) ▪ Max: 50A / Min: 0A
+5Vsb	▪ Max: 4A / Min: 0A
Power Distributor	▪ PDB-PT112-S2424 ▪ O/P: 12V/54 ▪ +5V Max: 25A ▪ +3.3V Max: 25A ▪ -12V Max: 0.6A
Certification	▪ **Platinum Certified**

Regulatory (Power Supply)

Power Supply Safety / EMC	▪ CCC ▪ CE/EMC ▪ FCC ▪ TUV/CB ▪ UL/CUL

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-19002-0N	1	SC815/113/116 Intel DP X9, X8 PC air shroud, 12x13MB
HD Backplane	BPN-SAS3-815TQ-N4	1	4-port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices
Cable(s)	CBL-0335L	1	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF
Cable(s)	CBL-PWCD-0160-IS	2	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Part(s)	MCP-230-00036-0N	1	Top cover with 1 mylar for SC815 (cost-down)
Part(s)	MCP-240-00099-0N	1	1U WIO riser card bracket for SC113, SC815, SC119, SC819
Part(s)	MCP-270-81505-0N	1	Chassis base for SC815T, U version, Redundant PWS(cost-down)
Part(s)	MCP-290-00088-0N	1	SC119 Intrusion assembly
CD-ROM & Accessory	CSE-PT93L-B	1	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS
Fan(s)	FAN-0141L4	4	40x40x56 mm 20.5K RPM / 17.6K RPM Counter-rotating Fan
Front Panel	FPB-FP815U	1	815 UIO front control board (U)
Cooling Fan & Accessory	CSE-PT0135	1	FAN HOLDER FOR SIX 40X56MM COUNTER ROTATING FANS
Cooling Fan & Accessory	MCP-340-00035-0B	2	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-swap 3.5" HDD tray
Power Distributor	PDB-PT112-S2424	1	WIO X11 Support,PDB-PT112-S2424 is based on PDB-PT112-2424
Part(s)	MCP-120-00030-0N	1	Blank LP L-bracket (1 raw of capsule hole)
Part(s)	MCP-120-00053-0N	2	Blank FH L bracket w/o SCSI cutout for SC825,836,846,743
Power Supply & Accessory	MCP-250-81502-0N	1	SC815 Redundant Power Distributor Cover
Power Supply & Accessory	PWS-504P-1R2	2	1U Redundant 500W/600W, Platinum efficiency, AC inlet: C14,RoHS
Mounting Rail(s)	MCP-290-00054-0N	1set	Rail set, quick/quick, optional for 1U 17.2
Rear Window	MCP-240-00098-0N	1	WIO rear window for SC113,SC116, SC815 Redundant PWS

Optional Parts List

	Part Number	Qty	Description
Adaptor HDD carrier	MCP-220-00043-0N • eStore	-	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray
Drive Trays	MCP-220-00116-0B • eStore	-	Black gen-5 3.5-to-2.5 NVMe drive tray, Orange tab (for hotswap NVMe drive),RoHS/REACH
Front Bezel	CSE-PTFB-813LB (black)	-	Front Bezel Cover with Key Lock & Filter, Black, Beige, LCD options
Front Tray	CSE-PT40 (B)	-	Front USB and COM tray (Occupies Slim Floppy Drive Location)
Heatsink / Retention	N/A	-	Please refer to our Thermal Components Matrix
LCD/OLED Solutions	N/A	-	Please reference the LCD/OLED Display Solutions for details
Mounting Rail	MCP-290-00056-0N • eStore	-	19" to 26.4" outer rail, /quick, for 1U 17.2" W chassis
Peripheral Drive(s)	MCP-220-81502-0N • eStore	-	Slim SATA DVD kit (include backplane, cable)
	DVM-PNSC-DVD-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic
Tray(s)	MCP-290-00036-0B	-	Black DVD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)

Servers (for CSE-815TQC4-R504WB3)

SYS-510T-WTR

Motherboard (for CSE-815TQC4-R504WB3)

X12STW-F X12STW-TF X12SPW-F X12SPW-TF

● = *Most optimized Chassis for SuperServer Configuration*
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU