

# GRAND-SE

64-Bit Quad-Core AMD® G-Series 2.0GHz

## Features

- » The power of 64-bit quad-core processor with AES-NI support
- » 2 x SODIMM Slots, Install up to 16 GB memory with 2 x 8GB DIMMs
- » 1 x PCIe slot can support 10GbE network card
- » Storage expandable via USB3.0, up to 200TB



## Specifications

Form Factor	
Form Factor	2U 1U, Rackmount
System	
CPU	64-Bit Quad-Core AMD® G-Series 2.0GHz
Memory	2 SODIMM; Memory expandable up to 16GB DDR3L (8GB x 2)
Memory Max.	16GB DDR3L (8GB x 2)
Cooling method / System Fan	12B : 2 x 70mm, 12V DC
	08B : 2 x 70mm, 12V DC
	04A : 2 x 40mm, 12V DC
Physical Characteristics	
Rack Height	2U 12bay, 8bay
	1U 4bay
Dimensions (LxWxH) (mm)	12B : 89 x 482 x 534 mm
	08B : 89 x 482 x 534 mm
	04A : 44 x 439 x 499 mm
Net Weight	12B : 16.14kg
	08B : 11.02kg
	04A : 7.63kg
Storage	
Storage	Description:(2.5" or 3.5" SATA 6Gb/s, 3Gb/s; hot-swappable
	12B: 12 Bay
	08B: 8 Bay
	04A: 4 Bay)
I/O Interface	
Ethernet	4 x LAN(GbE)
I/O Interface	External USB 2.0(3 x USB 2.0 : 04A / 2 x USB 2.0 : 08B, 12B)
	2 x External USB 3.0
Expansion	1 x PCIe x 4(PCIe 2.0 x 4 slot)
Power	

Power Consumption	12B : In Operation: 135.02
	08B : In Operation: 94.40
	04A : In Operation: 50.46
Power Supply	12B : 250W, 100-240V, 250W (x2), 100-240V (redundant)
	08B : 250W, 100-240V, 250W (x2), 100-240V (redundant)
	04A : 250W, 100-240V, 250W (x2), 100-240V (redundant)
<b>Environment</b>	
Operating Temperature	0~40 °C
Humidity	5 to 95% non-condensing, wet bulb : 27 °C.

## Ordering Information

GRAND-SE-12B-RP-R10	2U 12Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-420MC, 250W redundant PSU, RoHS
GRAND-SE-12B-R10	2U 12Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-420MC, 250W single PSU, RoHS
GRAND-SE-08B-RP-R10	2U 8Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-420MC, 250W redundant PSU, RoHS
GRAND-SE-08B-R10	2U 8Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-420MC, 250W single PSU, RoHS
GRAND-SE-04A-RP-R10	1U 4Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-420MC, 250W redundant PSU, RoHS
GRAND-SE-04A-R10	1U 4Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-420MC, 250W single PSU, RoHS

## Packing List

Ethernet Cable x 2	Power cord x 2
Flat head screw (for 2.5" HDD)	Flat head screw (for 3.5" HDD)