

# 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) |