

# GRAND-RE

With its powerful AMD Ryzen™ V1000 series V1500B Quad-core processor, the GRAND-RE is capable of boosting virtual machine performance with up to 4 cores/8 threads at 2.2GHz. The GRAND-RE includes two 2.5GbE ports and a PCIe Gen 3 slot, providing you with fast network connectivity and the ability to add extra functionality and additional application potential. The GRAND-RE also features a redundant power supply to ensure maximum system uptime. Cutting-edge hardware integrated with comprehensive software solutions makes the GRAND-RE the preeminent choice to tackle resource-demanding applications and tasks.

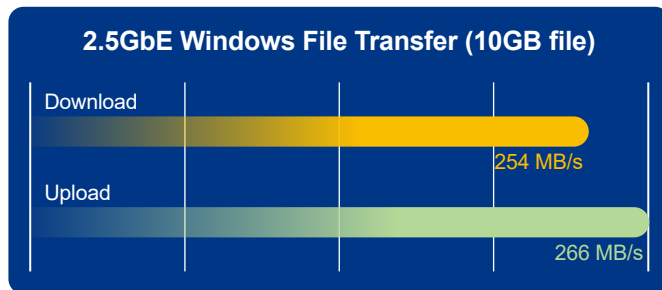


## Features

- AMD Ryzen™ Embedded V1500B quad-core 2.2 GHz processor
- 2 x DIMM Slots, up to 32 GB memory (2 x 16GB)
- Support one PCIe Gen3 x8 slot
- Storage expandable via USB port or HBA expansion card

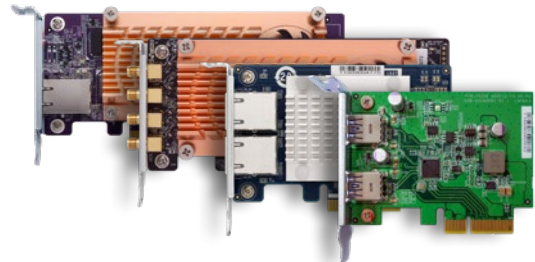
## Upgrade to 2.5GbE networking

The GRAND-RE comes with two 2.5GbE RJ45 LAN ports that allow you to use existing CAT5e cables to upgrade network speeds from 1 Gigabit to 2.5 Gigabit. 5GbE speeds can also be attained by using Port Trunking. To upgrade your laptops and desktops to take advantage of high-speed network.



## Extend Functionality with a PCIe Card

The GRAND-GL has a PCIe expansion slot, providing flexibility in extending storage server functionality and potential applications. Install a QNAP QM2 card to provide M.2 SSD caching/10GbE connectivity, or use the GRAND-GL as a wireless access point by installing a compatible wireless network card, or boost the USB connectivity of the GRAND-GL by installing a USB 3.2 Gen2 10Gbps card.



## Specifications

Model	GRAND-RE-08B-RP	GRAND-RE-08B
CPU	AMD Ryzen™ Embedded V1500B quad-core 2.2 GHz processor	
Encryption Acceleration	AES-NI	
Memory	Maximum 32GB (2 x 16GB) 2 x Long-DIMM DDR4 For dual-DIMM configuration, you must use a pair of identical DDR4 modules.	
Drive Types	8 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs	
Gigabit LAN Port	2 x 2.5GbE LAN port	
PCIe Slot	1 x PCIe Gen 3 x8	
USB Ports	1 x USB 3.2 Gen1 Type-A port 2 x USB 3.2 Gen2 Type-C port 1 x USB 3.2 Gen2 Type-A port	
LED Indicator	Status/Power, LAN, USB, Drive 1 - 8	
Button	Power/Status, Reset	
Form Factor	2U Rackmount	
Dimension (H x W x D)	89 x 482 x 425 mm	
Net Weight	9.15 kg	8.04 kg
Operating temperature & Relative Humidity	0 to 40°C (32 to 104°F), 5 ~ 95% RH non-condensing, wet bulb: 27°C	
Power Supply	300W (x2), 100-240V AC, 50/60 Hz	250W, 100-240V AC, 50/60 Hz
Fan	2 x 80 mm, 12V DC	

## Ordering Information

Part No.	Description
GRAND-RE-08B-R10	2U 8Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone), AMD Ryzen V1500B 4C 2.2GHz, 2x 2.5GbE, PCIe slots, 250W PSU
GRAND-RE-08B-RP-R10	2U 8Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone), AMD Ryzen V1500B 4C 2.2GHz, 2x 2.5GbE, PCIe slots, 2x 300W PSU

## Options

Item	Order P/N	Description
RAM	79E00-G004-003-RS	4GB DDR4 RAM, 2400 MHZ, U-DIMM, 288-PIN
	79E00-G008-015-RS	8GB DDR4 RAM, 2400 MHZ, U-DIMM, 288-PIN
	79E00-G016-009-RS	16GB DDR4 RAM, 2400 MHZ, U-DIMM, 288-PIN
Rail kit	RAIL-B02	B02 series slide for 1U,2U chassis

## Packing List

Ethernet cable x 1
Power cord x 2 (non RP model only one power cord)
Flat head screws (for 2.5" HDD)
Flat head screws (for 3.5" HDD)