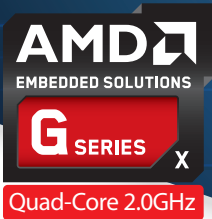


# GRAND-SE



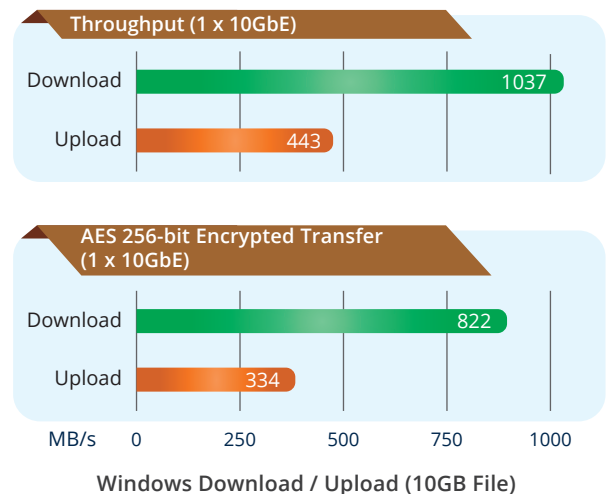
The GRAND-SE is a powerful network storage system powered by a high-performance AMD quad-core processor. It can support 10GbE network card, and doubles the encrypted file transfer performance with the AES-NI hardware-accelerated encryption engine to over 800 MB/s. The GRAND-SE is designed for small and medium-sized businesses looking for backup, restoration, private cloud, storage for virtualization, and to future-proof their IT infrastructure for 10GbE networks.



- » The power of 64-bit quad-core processor with AES-NI support
- » 2 x SODIMM Slots, up to 16 GB memory with 2 x 8GB DIMMs
- » Ready to support 10GbE network card
- » Storage expandable via USB 3.0, up to 200TB

## Speedy transfer and hardware-accelerated encryption with AES-NI

The GRAND-SE is equipped with an energy-efficient 64-bit AMD quad-core 2.0GHz processor with maximum 16GB, SATA 6Gb/s, support one SFP+ 10GbE and four Gigabit LAN ports for lightning-fast multi-tasking performance with SSD cache support. The GRAND-SE is a powerful storage server that delivers up to 1,059 MB/s sequential read throughput with expanding one 10GbE configuration. The GRAND-SE's hardware-accelerated encryption engine provides unmatched encryption performance in its class, up to 822 MB/s with AES-256 bit full storage server volume encryption, boosting system performance & security while ensuring the safety of sensitive business data stored in the GRAND-SE.



## Specifications



Model	GRAND-SE-04A	GRAND-SE-04A-RP	GRAND-SE-08B	GRAND-SE-08B-RP	GRAND-SE-12B	GRAND-SE-12B-RP
CPU	64-Bit Quad-Core AMD® G-Series 2.0GHz					
Memory	Total memory slots: 2 SODIMM; Memory expandable up to 16GB DDR3L (8GB x 2)					
Max. HDDs/SSDs	4		8		12	
HDDs/SSDs Type	2.5" or 3.5" SATA 6Gb/s, 3Gb/s; hot-swappable					
Expansion Unit Support	Max. 1 expansion unit					
LAN Ports	4 x GbE ports					
USB Ports	USB 3.0: 2, USB 2.0: 3		USB 3.0: 2, USB 2.0: 2		USB 3.0: 2, USB 2.0: 3	
PCIe Slot	1 x PCIe 2.0 x 4 slot					
LED Indicators	Status, LAN, USB, HDD1-4		Power, Status, LAN, USB, HDD1-8		Power, Status, LAN, USB, HDD1-12	
Buttons	Power, Reset, USB Auto Copy		Power, Reset		Power, Reset	
Form Factor	1U Rackmount		2U Rackmount		2U Rackmount	
Dimensions (HxWxD)	1.73 x 17.28 x 19.65 inch		89 x 482 x 534 mm / 3.50 x 18.97 x 21.02 inch			
Weight (Net/Gross)	7.63 / 11.60 kg 16.82 / 25.57 lb		11.02 / 19.26 kg 24.29 / 42.46 lb		16.14 / 19.41 kg 35.58 / 41.84 lb	
Temperature and Humidity	0-40°C, 5~95% RH non-condensing, wet bulb: 27°C					
Power Supply Specification	Input: 100-240V AC, 50/60Hz; Output: 250W					
	250W	2 x 250W	250W	2 x 250W	250W	2 x 250W

## Options

Item	Order P/N	Description
Network card	LAN-10G2SF-MLX	Dual-port 10GbE SFP+ network expansion card
Network card	LAN-10G2T-X550	Dual-port 10GbE 10GBASE-T network expansion card
Network card	LAN-1G2T-I210	Dual-port Gigabit network expansion card
USB card	USB-U31A2P01	USB 3.1 Gen 2 10Gbps Type-A dual-port PCIe card
Rail kit	RAIL-B02	B02 series slide for 1U,2U chassis

## Ordering Information \*Pre-install Memory by Request

Part No.	Description
GRAND-SE-04A-R10	1U 4Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-424CC, 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-424CC, 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-424CC, 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-424CC, 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-424CC, 250W single PSU, RoHS
GRAND-SE-12B-RP-R10	2U 12Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with AMD GX-424CC, 250W redundant PSU, RoHS

## Packing List

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

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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