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GRAND-C610

Hyper converged High-performance Computing, Virtualization, Storage, and Application server in one chassis for streamlined efficiency and manageability.

***Features***

* Double Server, support Intel® Xeon® E5-2600 v3
* 16 x DIMM Slots, up to 1TB memory with 16 x 64GB DIMMs
* 4 x PCIe slot can support 40GbE network card
* Storage expandable, up to 1PB
* IPMI Remote Management
* 10GbE network card support ready

**SAS**

**12Gb/s**



**SAS**

**Storage**

**Expansion**

**Ready**

**DDR4**

**up to 128GB RAM**

**ECC RAM**

**support**

**Server-grade Hardware Design Robust, Reliable & Innovative**

Suited for enterprise environments which demand the highest performance, simplified IT management, uninterrupted service, and optimized virtualization environments, the GRAND-C610 is designed with high-standard hardware specifications to meet those needs.

**GPU Pass-Through**

**10GbE / 40GbE Card Support PCIe SSD NVMe**

**12Gb/s SAS HBA Suppout**

**4 x 2.5” SSD**

**IPMI**

**Dual Intel® Xeon® E5 CPUs**

**16 RDIMM/ LRDIMM**

**3 x SAS 12Gb/s Controller**

**Hyperconverged Storage Server**

High Computing and Storage Server

* High-performance application server based on dual Intel® E5 CPU
* VMware®, Citrix®, or Windows Hyper-V: for virtualization deployment
* Storage server: This component is used to mount storage using iSCSI/NFS for the application server
* High-speed connection: 10GbE or 40GbE

***Specifications***

**Model GRAND-C610-20C**

**CPU** FCLGA2011-3 sockets-support Xeon® E5-2600 v3 family

System memory: RDIMM / LRDIMM

# *Options*

## Item Order P/N Description

**Network card LAN-40G2SF-MLX** Dual-port 40GbE QSFP+ network expansion

card

**Network card LAN-10G2SF-MLX** Dual-port 10GbE SFP+ network expansion

### Memory (RAM) USB 2.0 / 3.0

**Internal Hard Drive and Type**

**Max. Raw Capacity Interface**

**Ethernet PCIe slot Cache**

**Form Factor Dimensions (H x W x D) Power**

**Fan**

**Weight (Net/Gross) kg Noise**

**Power Consumption**

Total memory slots: 16

Memory expandable up to: 1 TB (64 GB x 16) 4 x USB 3.1 Gen 1 (5Gb/s)

16 x 3.5" SAS (12Gbps/6Gbps) / SATA (6Gbps/3Gbps) HDDs or 2.5" SAS/SATA SSD 4 x 2.5" SAS (12Gbps) SSD or SAS/SATA

(6Gbps/3Gbps) SSD 128 TB

SAS 12Gb/s backward-compatible to SAS/SATA 6Gb/s

2 x GbE

4 (3 x PCIe Gen3 x8, 1 x PCIe Gen3 x16)

M.2 Gen.2 x4 3U, Rackmount

88 x 442.5 x 530.5 mm

650W (Redundant) Smart Fan 4 (6cm 12V DC)

Net (NAS): 22.42 kg / 49.43 lb

Gross (with accessories and package): 30.19 kg /

66.56 lb

Sound Pressure Level (LpAm): 64.8 dB Sleep mode: 254.21 W

In Operation: 362.86 W

### Network card

**USB card SAS Card Rail kit**

**Cable**

**CPU**

**LAN-10G2T-X550**

**USB-U31A2P01 SAS-12G2E RAIL-A03-57**

**CAB-SAS10M-8644 CAB-SAS05M-8644**

**Intel® Xeon® Processor E5-2620 v3**

**Intel® Xeon® Processor E5-2630 v3**

**Intel® Xeon® Processor E5-2640 v3**

card

Dual-port 10GBASE-T network expansion card

USB 3.1 Gen 2 10Gbps Type-A dual-port PCIe card

Dual port storage expansion, SAS 12Gbps

A03 series (Chassis) slide, Maxmium load 57 kg

MiniSAS Cable (SFF-8644 to SFF- 8644),1.0m

MiniSAS Cable (SFF-8644 to SFF-8644), 0.5m

Intel® Xeon®, 2.4 GHZ, 0.65V~1.30V, 85W, 15MB(L3), FCLGA, 2011pin, 22nm, CM8064401831400 SR207, LGA 2011-

3 Socket, R2, Haswell, Intel® Xeon® Processor E5-2620 v3, RoHS

Intel® Xeon®, 2.4 GHZ, 0.65V~1.30V, 85W, 20MB(L3), FCLGA, 2011pin, 22nm, CM8064401831000 SR206, LGA2011-

3 Socket, R2, Haswell, Intel® Xeon® Processor E5-2630 v3, RoHS

Intel® Xeon®, 2.6 GHz, 90W, 20MB(L3), FCLGA, 2011pin, 22nm, CM8064401830901 SR205,

LGA2011-3 Socket, R2, Haswell, Intel® Xeon® Processor E5-2640 v3, RoHS

# *Ordering Information*

**Part No.**

**GRAND-C610-20C-R10**

**Description**

3U 16Bay front 3.5", 4bay rear 2.5" HDD or SSD support, rackmount storage server (Barebone), with 650W redundant PSU, RoHS

GRAND-C610-2019-V10

***Data Storage***

\*Pre-install CPU & Memory by Request

# *Packing List*

Ethernet cable x 2

Power cord x 2

Flat head screws (for 2.5” HDD)

Flat head screws (for 3.5” HDD)