



## Sugon I210-G30 Rack Server

### Multimedia, Graphic Processing Purpose-Built Platform

The Sugon I210-G30 is the latest innovation with a single-chipset and compact 1U space, based on Intel® Greenlow platform, especially-designed for media, cloud gaming, video streaming and so much more.

Leveraging the latest Intel® Xeon® E3-1200 v5 product family with its integrated graphic power, DDR4 memories, greatly increased memory bandwidth and stability, the system could accelerates to 32Gbit/s data-transfer speeds with M.2 native NVMs supported and provides great graphics performance by its optimized integrated graphic power and supports latest API, driving three independent displays simultaneously with HDMI, DisplayPort, DVI-D. It can highly guarantee multimedia editing, graphic processing, video surveillance.

#### Multimedia, Graphic Processing Purpose-Built Platform

The I210-G30 uses the latest Skylake architecture with an optimized integrated graphic power performance, providing a high reliability platform to address enterprise or academia need.

- Optimized integrated graphic power supported latest API. It supported latest API like DirectX 3D 2015, OGL 4.4, OpenGL ES 3.0 and OpenCL2.1. ISV application testing and certification with integrated graphics cores on E3-1200 v5 processors are perfect for entry-level workstations and software such as Autodesk AutoCAD, Autodesk Maya and Adobe After Effects CC, etc.
- With memory and PCI Express controllers

integrated to enable 2-channel (4 DIMM)DDR4 memory and x16 PCI Express3.0 slots.

- The I210-G30 is your best choice for a DIY workstation build that rivals top-tier pre-built workstations.



## Drive Three Independent Displays Simultaneously

The I210-G30 is equipped for total display flexibility, with HDMI, DisplayPort and DVI-D connectivity all built in to the board.

With a compatible latest-generation intel® process, you'll be able to connect and drive three independent displays simultaneously-great for multitasking, and even better for productivity.

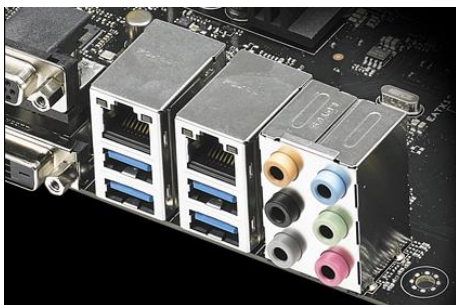
- Maximum shared graphic memory of 512 MB.
- Supports maximum resolution 4096 x 2304 @ 60 Hz.



## Rich and Flexible Expansion Support

For more reliable networking, the I210-G30 features the latest built-in dual Intel® Gigabit LAN. This leads to lower CPU utilization and temperature, achieving outstanding performance as well as better support for diverse operating systems.

- With x 4 PCI Express 3.0 bandwidth, 1x M.2 supports 32Gbit/s data-transfer speeds in Native NVMe – that's up to 5.3X faster than traditional SSDs. The powerful signal also supports the very latest 2.5-inch NVMe SSDs technology via M.2-NVME1 (2242) for quick, simple setup.
- The M.2 is designed up to 110mm, which is provided most of choices for customers installing various SSD.
- Supports 3x 3.5" SATA or 2x 2.5" SATA SSD.
- Optional 1 built-in M.2 SATA/PCI-e SSD.



## Simplified and Automate KVM management

Spend less time on managing data by using the graphical and intelligent enhanced interface.

- Remote and deployment from anywhere over accessing web.
- Easy and simple operation and deployment with this compatible module and guidance interface, it supports EventLog, indicator alert, console alert, beeper alert, SNMP alert and mail alert, etc.

## Technical specifications

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### Specifications

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Processor	Build in Intel® Socket 1151 Core™ i7/Core™ i5/Core™ i3/for Xeon® E3-1200 v5 and 6th generation Core™, Pentium® and Celeron® Processors Supports Intel® 14 nm CPU Supports Intel® Turbo Boost Technology
Chipset	Build in Intel® C236
Memory	4 x DIMM, Max. 64GB, DDR4 2133 MHz ECC, Non-ECC, Un-buffered Memory Dual Channel Memory Architecture
Storage	Intel® C236 Chipset : 3 x 3.5 SATA or 2 x 2.5 SATA SSD 6Gb/s port(s), 1 x M.2 Socket 3*2, with M Key, type 2242/2260/2280/22110 storage devices support (both SATA & PCIE mode) Support Raid 0, 1, 5, 10 Intel® Rapid Storage Technology Enterprise supports Build in DVD-ROM
LAN	Intel® I210, 2 x Gigabit LAN Controller(s) Support Teaming Technology
Expansion Slots	1 x PCIe 3.0 x16 (x16 mode)
I/O Ports	2 x RJ-45 network interface(at back panel) 1 x RJ-45 management interface(at back panel) 1 x VGA (at front panel) 1 x HDMI (at back panel) 1 x DVI-D (at back panel) 1 x DisplayPort (at back panel), supports the output of integrated graphic card.
USB ports	4 x USB 2.0 port(s) (2 at front panel, 2 at back panel ) 2 x USB 3.0 port(s) (at back panel )
Management Function	Optional BMC advanced management function
Power	180W single supply voltage
Cooling	3 x high-speed system fans
Graphic card	Integrated graphic controller, 32MB graphic memory
Operating Systems Support	Windows Server 2008 R2 SP1 Windows Server 2012 Windows Server 2012 R2 Red hat Enterprise Linux 6.5 Cent OS Enterprise Server 11 SP3 Windows 8.1 Windows 7 Pro Embedded In case of any change with supporting status of operating systems, it shall not be notified separately.
Power Voltage	200-240V/50Hz

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Chassis	1U rack-mount server chassis	
Chassis Dimension	406.7mm (L)x 481mm (W) x 43.2mm (H)	
Weight	Maximum 20kg (excluding the rail)	
Ambient Requirement	Temperature	Operating: 10°C~35°C (50°F~95°F) Storage: -40°C~55°C (-40°F~131°F)
Relative Requirement	Humidity	Operating: Maximum 90%RH (40°C) Operating: 35%~80% RH Transportation/Storage: 20%~93% RH
Vibration	Frequency 5Hz~150Hz; acceleration $\leq 20\text{m/s}^2$ ; amplitude $\leq 0.15\text{mm}$	
Shock	Peak acceleration $150\text{m/s}^2 \sim 300\text{m/s}^2$ ; duration $\leq 11\text{ms}$	
Collision	Peak acceleration $100\text{m/s}^2 \sim 150\text{m/s}^2$ ; within 1000 times	

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### For more information:

Please visit Sugon official website: [www.sugon.com](http://www.sugon.com) or dial the customer service hot line: 400-810-0466

You can also contact Sugon branches distributed throughout the state, for contact information, please log in the official website of Sugon or leave a mail for [international@sugon.com](mailto:international@sugon.com).

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