

Portwell Launches First Full-Size PICMG 1.3 SBC Featuring Latest 10th Gen Intel® Xeon® W/Core™ Processors

ROBO-8115VG2AR with Intel® W480E/Q470E Chipset Provides Enhanced CPU and Graphic Performance and Flexible I/O Expansion Capability

FREMONT, CA, UNITED STATES, January 6, 2021 /EINPresswire.com/ -- American Portwell Technology, Inc., (<https://www.portwell.com>), a world-leading innovator for Industrial PC (IPC) and embedded computing solutions, and an associate member of the Intel Internet of Things (IoT) Solutions Alliance, has launched its new [ROBO-8115VG2AR](#). According to Maria Yang, product marketing engineer at

American Portwell Technology, ROBO-8115VG2AR is aimed at customers who are seeking an embedded desktop system with high computing power and flexible expansion capabilities. Yang recommends the new ROBO-8115VG2AR as the ideal choice for balanced or performance-

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Jack Lam

demanding applications in industrial automation and intelligent control systems, medical/healthcare imaging systems, automated test equipment, semiconductor equipment, display wall/digital signage, digital security surveillance, broadcasting systems, transportation and storage.

More Energy Efficiency, Optimized Power Consumption and Performance

ROBO-8115VG2AR is Portwell’s PICMG 1.3 full-size [Single Host Board \(SHB\)](#) computer featuring the latest 10th Generation Intel Xeon W family processors or Core i3/i5/i7/i9 /Pentium/Celeron up to 10 cores/20 threads and 4.8 GHz (35-95W) (Comet



ROBO-8115VG2AR

ROBO-8115VG2AR

The ROBO-8115VG2AR Is the Best Choice for Medical Equipment, Industrial Automation, Factory Process Control, and Smart Transportation.

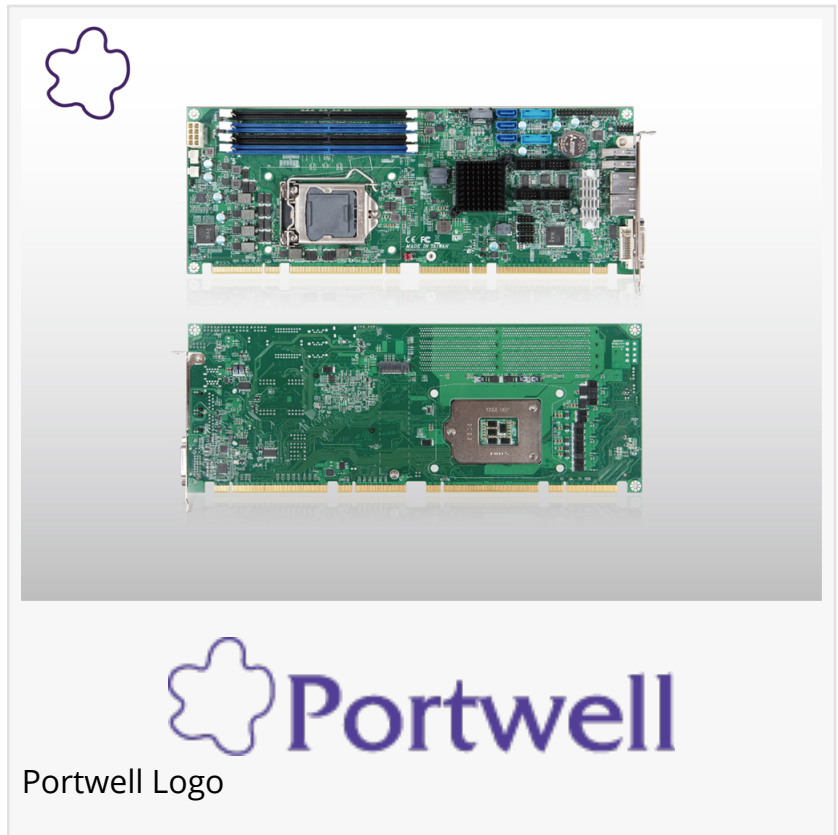
Lake platform) in LGA 1200 socket with Intel® W480E or Q470E chipset. The new SHB supports Intel Turbo Boost, Hyper-Threading, Virtualization, Thermal Monitoring, Trusted Execution (TXT) and SpeedStep® Technology (depends on processor SKU); delivers up to 128GB dual-channel ECC/non-ECC DDR4 2666 SDRAM on four Long-DIMM sockets; flexible PCI Express Gen 3 (up to 8.0 GT/s) from CPU—1x PCIe x16 or 2x PCIe x8 or 1x PCIe x8 and 2x PCIe x4 adjusted by jumper setting—from Chipset—1x PCIe x4 or 4x PCIe x1 by different BIOS, and PCI expansion—4 x PCI devices at 32-bit, 33 MHz; total 6x USB 3.2 Gen 2 (10Gbps), 4x USB 2.0, 5x SATA 3.0 (dual ports via backplane), 1x M.2 Type M 2280 for SSD and software RAID 0,1,

5,10; dual Gigabit Ethernet LAN, 2x RS-232, 2x RS-232/422/485 selectable by BIOS adjustment; Intel Gen 9 graphic engine that provides significant 3D multimedia performance and supports DirectX 12 and Open GL 4.5; supports multiple independent displays such as HDMI (4K resolution), DVI-D (up to 1920x1200) and VGA (up to 1920x1200), by using DVI-I to DVI-D and VGA Y splitter, user can connect with DVI-D and VGA monitor simultaneously (available in both clone and extended modes); ATX power input; supports onboard TPM 2.0 for application security.

The Latest [SBC](#) for New Application or Legacy Architecture

“The newly-designed ROBO-8115VG2AR features the latest 10th Generation Intel Xeon W/Core processors,” says Jack Lam, senior product marketing director at American Portwell. “This means it now offers up to 20 percent more cores than previous generation processors, up to 31 percent better multi-tasking performance for compute-intensive applications, and as much as 11 percent improved performance on single-task compute-intensive applications.”

“In a nutshell,” says Lam, “the new ROBO-8115VG2AR offers energy efficiency, and optimized balance of computing power, accelerated graphic processing and power consumption for new application needs or a quick upgrade for the legacy application installed with the old SHB. What’s more,” he adds, “it also provides high flexibility for I/O expansion with wide selections of backplanes, supports multiple peripheral control and wireless connectivity for remote applications. Not only that,” Lam continues, “our customers also benefit from the peace of mind they get from the long lifespan support of 10+ years inherent with this product.”



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About American Portwell Technology

American Portwell Technology, Inc., is a world-leading innovator in the embedded computing market and an Associate member of the Intel Internet of Things Solutions Alliance. American Portwell Technology designs, manufactures and markets a complete range of PICMG computer boards, embedded computer boards and systems, rackmount systems and network communication appliances for both OEMs and ODMs. American Portwell is an ISO 9001, ISO 13485, ISO 14001 and TL 9000 certified company. The company is located in Fremont, California. For more information about American Portwell's extensive turnkey solutions and private-label branding service, call 1-877-APT-8899, email info@portwell.com or visit us at <https://www.portwell.com>.

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