

# Portwell Enriches Its APTNS 1U Network Appliance (with COMe) By Utilizing 10th Gen Intel® Core™/Xeon® W Processors

*New APTNS provides greater choice, flexibility and performance at the edge*

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American Portwell Technology, Inc., a world-leading innovator for Industrial PC (IPC) and embedded computing solutions, and a Titanium member of Intel Partner Alliance

(<https://www.portwell.com>), enriches its [APTNS](#) series of 1U 19" rackmount high-performance [network appliances](#) with [COM Express](#) architecture by utilizing the latest 10th Gen Intel

Core/Xeon processor family (codenamed Comet Lake S). According to Neo Lo, project manager at American Portwell Technology, the new APTNS is designed to benefit a wide range of IoT applications based primarily in the Server and Data Center, Telecommunications, Next

Generation Firewall (NGFW), Unified Threat Management (UTM), and Bandwidth Management WAN Optimization arenas among others.

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*Robert Feng*

American Portwell's APTNS enriched features include: the flexible configuration of any PCIe cards—2x PCIe Gen 3 x8 cards (for up to 50 Gb/s network interface cards) and 1x PCIe Gen 3 x4 card; the flexible configuration of the COM Express CPU module—10th Generation Intel Core/Xeon Processor series (Comet Lake S), and a modularized design that allows easy new Gen upgrade ability; dual channel DDR4 2933MHz SO-DIMMs; redundant 400W power

supply; easily hot-swappable fan; additional expansion slots—1x mini PCIe socket, 1x M.2 socket, 2x SATA ports—and easily accessible I/O—2x USB 3.0 ports, 1x RJ45 console port, 1x GbE port



APTNS

natively, up to 24x GbE ports with add-on cards, and 1x HDMI port.

Lo confirms the high flexibility of the PCIe cards allows a variety of systems configurations; there is no proprietary restriction on expansion cards; customers can easily upgrade to the next generation CPU for greater computing power; the redundant power supply units ensure stable power delivery; and the hot-swappable fan is easily available for repair in case of failure.



Portwell's APTNS



Portwell Logo

### Remarkably Flexible for System Configurations

"We believe our customers will enjoy the adaptability of this enriched 1U Network COMe appliance," says Robert Feng, a senior product marketing director at American Portwell Technology. "It is remarkably flexible for system configurations, whether that's adding PCIe cards for various applications or utilizing different CPU specs for a wide range of computer power. With no proprietary restrictions, this appliance offers a greater ability to customize this product than ever before. This means that users can utilize this system for the exact application they want and enjoy a quick time-to-market for their network appliance, And the future-proofing of the COM Express design itself makes CPU upgrades a snap.

"What's more," Feng continues, "we designed the APTNS with the latest 10 Gen Intel Core/Xeon processor family, known as Intel Comet Lake S. So, customers can not only benefit from this outstanding combination of performance, flexibility and reliability," Feng adds, "but also from the long product lifecycle support inherent in every Portwell product."

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### About American Portwell Technology

American Portwell Technology, Inc., is a world-leading innovator in the embedded computing market and a Titanium member of the Intel Partner 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](mailto:info@portwell.com) or visit us at <https://www.portwell.com>.

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