



PR-Nr. 07 – 19. July 2019

Greenliant Delivers Industrial NVMe ArmourDrive™ SSDs

High-Capacity NVMe M.2 Solid State Drives Available in 2242 and 2280 Form Factors

SANTA CLARA, CALIF. – JULY 17, 2019 - Greenliant has started sampling its NVMe M.2 ArmourDrive™ solid state drive (SSD) modules to customers requiring high-performance, high-capacity removable data storage that can withstand extreme environments. The new industrial temperature (-40°C to +85°C) 88 PX Series NVMe M.2 ArmourDrive SSDs use 3-bits-per-cell (TLC) 3D NAND flash memory and are built in the widely used 2242 and 2280 form factors. See NVMe M.2 ArmourDrive product information at <https://bit.ly/NVMe-M2-SSD>.

88 PX Series NVMe ArmourDrive SSDs provide high performance and low latency for high transactional and business critical applications. NVMe is a highly scalable protocol optimized for efficient data transport over PCIe for storage on NAND flash. Small form factor, power efficient M.2 2242 products support the PCIe Gen3x2 interface and can reach up to 1,550/950 MB/s sequential read/write performance. Offered with hardware encryption and DRAM, M.2 2280 products support the PCIe Gen3x4 interface and can reach up to 3,470/3,000 MB/s sequential read/write performance. These versatile NVMe M.2 ArmourDrive form factors are ideal for space-constrained, embedded and enterprise systems in cloud computing, broadcasting, industrial gaming, factory automation, networking and security.

Benefits of 88 PX Series NVMe M.2 ArmourDrive SSDs include:

- Ultra-High Performance: Reaches up to 3,470/3,000 MB/s read/write
- Wide Range of Capacities: Available in 2242 form factor (64 GB, 128 GB, 256 GB, 512 GB) and 2280 form factor (240 GB, 480 GB, 960 GB, 1.92 TB)



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- Industrial Temperature: Operates between -40 and +85 degrees Celsius
- Built-in ECC: Uses advanced bit error detection and correction optimized for 3D NAND
- Advanced Flash Management: Extends SSD longevity using dynamic and static wear leveling
- Data Security: Supports AES-256 / TCG OPAL encryption (2280) and Secure Erase

“Greenliant delivers ultra-high performance and a wide range of capacities with its industrial NVMe M.2 ArmourDrive PX Series,” said Arthur Kroyan, vice president of business development and marketing, Greenliant. “Complementing Greenliant’s broad selection of SATA M.2 products, these highly reliable NVMe M.2 SSDs give embedded system designers even more options for data-intensive applications.”

Pricing and Availability

Greenliant is sampling NVMe M.2 2242 SSDs to customers on select product engagements, and expects to start shipping in volume production in August 2019. Greenliant plans to start sampling NVMe M.2 2280 SSDs in September 2019 with volume production expected in October 2019. For more information about Greenliant and 88 PX Series ArmourDrive products, contact via email: sales.europe@macnica.com.

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About Greenliant

By leveraging more than 25 years of solid state storage design expertise, Greenliant is dedicated to developing durable, reliable and secure storage solutions for embedded systems and enterprise datacenters. The company is headquartered in Silicon Valley with product development centers in Santa Clara, Beijing, Shanghai, Xiamen and Hsin-chu. <https://www.greenliant.com>.

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About Macnica Europe GmbH

Macnica's European headquarter was originally established in the UK in 2006, and moved to Germany in July 2008, to increase efficacy of its service for European customers.

By its acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarters in Munich and Ingolstadt and numerous sales offices in Europe offering an attractive and competitive portfolio of highly sophisticated devices.

Macnica provides end to end support from design-in to production through its global service network to its customers, regardless of the final destination of the product shipment to customers' manufacturing locations.

About Macnica, Inc.

Macnica was established in 1972 as a semiconductor distribution company headquartered in Yokohama, Japan, and has over 65 sales offices worldwide in eastern Asia, Europe and the USA. Total number of employees is over 2,600 and its consolidated revenue for fiscal 2018 was approximately US\$ 5 B. Macnica is famous for having an excellent engineering team of more than 800 application support engineers, IC designers and software developers with strong focus on providing technical support for its customers including custom design services. Macnica is continuing to extend its presence globally by having successful partners in strategic areas in the electronics market.

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