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## New ARC-1886 tri-mode RAID family from Areca - with up to six SSDs piggybacked on the board

Starline partner brings high-end controllers: Areca will start shipping the new ARC-1886 product family in January. The RAID controllers for the PCIe Gen 4.0 bus now also process NVMe drives in addition to SAS and SATA. The flagship even has six M.2 SSD slots onboard.

### HIGHLIGHTS

- Tri-mode interface for SAS/SATA/Gen 4.0 PCIe (NVMe) on each drive port
- x8 PCIe Gen 4.0 host interface
- 8 GB DDR4-2666 cache
- Power failure protection through optional Cache Backup Module (CBM)
- RAID levels 0, 1, 10, 3, 5, 6, single disk or JBOD
- Capacity expansion, RAID level/stripe size migration
- Controller-based hardware encryption
- Redundant flash image for adapter availability
- SFF-9402 compliant connector pinout
- Supports Windows, Linux, FreeBSD, macOS, XenServer, unRAID and VMware

Six brand-new RAID controllers from the ARC-1886 family are coming from Starline partner Areca in January. They all shine with advanced hardware RAID technology based on PCIe Gen 4.0 technology. This makes them an extremely fast, reliable and ultra-compact solution for companies that require special hardware for high-speed data acquisition and processing.

The two top models ARC-1886-6N2I and ARC-1886-4N8I stand out among the new RAID data protectors: With six and four M.2 NVMe slots, respectively, they have their own Tier 0 storage practically on board. The additional SAS/SATA ports can, for example, be configured so that the controller automatically swaps the data to high-capacity SATA HDDs when the load is low.

In this combination, the two M.2 candidates make an enterprise-grade performance and data protection strategy possible in the smallest of spaces – for example in a Mac Pro. And their enormous I/O performance also makes them ideal for database applications or streaming environments.

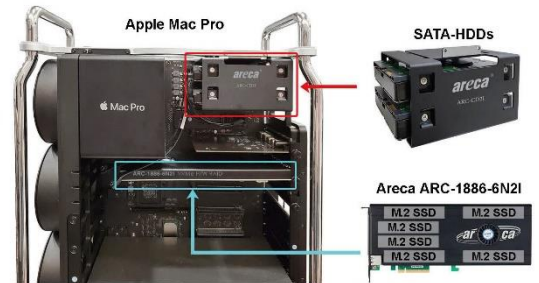
Just in case, all controllers of the ARC-1886 series can be equipped with a cache backup module. This protects the volatile data even in the event of a power failure. Additional security is provided by hardware-near encryption and the possibility to use a redundant flash image.

At its heart - the Broadcom SAS3916 chip - the x8 PCIe Gen 4.0 to SAS/SATA/PCIe RAID on Chip controller takes RAID technology to a new level: clocked at 1.6 GHz and supported by 8GB of DDR4-2666 memory, the RAID controllers provide the host with a continuous 12 Gbit/s SAS/SATA/PCIe (NVMe) data stream.



## Broad support and established tools

The ARC-1886 series supports a variety of operating systems such as Windows, Linux, FreeBSD, macOS and VMware. In addition, it excels with successful system monitoring such as Enclosure Management and SNMP functions. They can also be conveniently administered via an out-of-band Ethernet port. With the McBIOS RAID Manager, the configuration and administration of the RAID adapter can even be done quickly via hotkey. In addition to the GUI, Areca also offers the classic control variant via command lines in the CLI utility.



## Product availability

The RAID controllers from Areca presented here will be available from Starline in spring 2021. Pictures and data sheets for them [can be found here](#).

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Seit Jahrzehnten stehen sie schon für Qualität, denn sie bieten eine kompetente, persönliche und individuelle Betreuung, die weit über branchenübliche Standards hinausgeht.

Starline ist stolz darauf, innovative Produkte in den Markt zu bringen und dabei zuverlässig und gründlich zu arbeiten, so dass sich die Kunden jederzeit in guten Händen wissen.

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