



SN4-DJEMBE: New High-Performance Quad 10GbE CompactPCI® Serial I/O Board



Hamm, Germany – September 16, 2024: EKF Elektronik GmbH, a leading provider of embedded computing solutions, introduces the SN4-DJEMBE, a powerful CompactPCI® Serial network controller designed to provide ultra-fast networking capabilities. With advanced interfaces and cutting-edge networking technologies according to 10GBASE-T, the SN4-DJEMBE is built for applications that require reliable, high-speed data transfer in industrial and communication environments.

The SN4-DJEMBE is designed as a 3U CompactPCI® Serial peripheral card with a compact 4HP front panel with M12-8X connectors for usage in harsh environments, for instance, railway applications. Using Cat 6A cables, it delivers connectivity speeds ranging from 10 GBit/s down to 10 MBit/s over existing infrastructure to update brown-field systems, ensuring flexibility for various network configurations. With Marvell® AQC113 controllers and NBASE-T technology, the SN4-DJEMBE supplies the robust networking capabilities required for mission-critical systems.

“The SN4-DJEMBE is a powerful addition to EKF’s CompactPCI® Serial product line, offering state-of-the-art networking capabilities for demanding applications,” said Bernd Kleeberg, CEO. “This product is designed for environments where performance, reliability, and ruggedness are critical, making it ideal for industries such as railways, telecommunications, and more.”

Four M12-8X connectors for data-intensive applications

The SN4-DJEMBE is optimized for use in data-heavy industrial applications that require reliable high-speed networking. Target industries include railways, telecommunications, industrial automation, extreme environments, and energy sectors, where robust and compact I/O modules are essential.



About EKF:

EKF Elektronik GmbH is a leading manufacturer of modular, ruggedized embedded boards and systems for demanding industrial sectors such as transport and traffic, IIoT and Industry 4.0, robotics, energy, industrial automation and medical technology. From the high-performance CompactPCI® Serial standard to modular and cost-effective box and board-level assemblies (EKF Embedded Blue®/Gold series and PICMG ModBlox7™ standard), EKF offers flexible embedded solutions that are precisely tailored to customer requirements. With product designs based on the latest CPU platforms from Intel, NVIDIA and ARM, cloud-based software solutions and modular product families that build on each other, the company manages the balancing act between innovation and long-term availability. Development and production take place exclusively at the company's own headquarters in Hamm, Germany. A three-year guarantee on all products emphasizes the company's quality standards. EKF is an active member of renowned technology partners such as the Intel Partner Alliance, PICMG, PCI-SIG, EtherCat Technology Group and Single Pair Ethernet Industrial Partner Network, where it actively promotes the development of the latest product standards.