High Speed & Flexible Connectivity –

New CompactPCI Serial Board for Network Applications

Hamm, 26-06-2023: EKF announces its latest CompactPCI Serial peripheral board, SN9-CAPO, which is suitable for a variety of networking applications. It comes with a total of four 2.5 Gbps Ethernet ports on front RJ45 sockets. Each port is connected to an Intel® I226-IT network controller, allowing each individual network adapter (NIC) to operate at speeds of 10BASE-T, 100BASE-TX, 1000BASE-T, and 2.5GBASE-T.

CompactPCI Serial Network Functions for IIoT, TSN, Data Acquisition or Edge Computing

This real-time capable board is the perfect companion for data intensive IIoT applications in industrial automation or transportation applications. It can be used for router and gateway functions, as well as data acquisition and edge computing. Additionally, it provides an easy upgrade path for outdated 1000Base-T solutions that may no longer meet the performance requirements.

Each connector is connected to a separate Intel® I226-IT network adapter, allowing for a highly flexible and customized networking solution. The SN9-CAPO supports full-duplex transmissions, enabling simultaneous transmission and reception of data. Galvanic isolation using transformers, in accordance with the IEEE standard, protects the devices from damage caused by high voltage on the

line and avoids potential voltage offsets that may arise from differences in potential between the devices.

Like all EKF solutions, the SN9-CAPO is 100% made in Germany and is long-term available. The network card operates within an extended temperature range of -40°C to +85°C and can be expanded with 4 X-coded M12 connectors at the front upon request.

For use in rail applications, the SN9 is delivered in conformity with EN 50155 with protective coating.

With the SN9-CAPO, EKF provides its customers with a powerful and highly flexible CompactPCI Serial solution for modern networking requirements.

More information about the SN9-CAPO can be found on the EKF website:
https://www.ekf.de/s/sn9/sn9.html

About EKF
Founded in 1972, EKF is one of the leading manufacturers of modular industrial micro computers today. For more than 40 years, extremely robust boards and systems in Eurocard format have been the company's core competence. Based on CompactPCI Serial technology, the product portfolio today includes CPU boards with the latest Intel IIOT processor technology as well as a wide range of peripheral boards. Designed for applications in harsh environments, EKF products are also available in extended temperature range versions, including a protective coating.

The product range is rounded off by boxed CPU and networking solutions for IIOT applications, and mezzanine modules such as M.2 and XMC. The company also develops custom boards for individual customer needs daily. In-house SMT manufacturing guarantees highest quality as well as short lead times. EKF products come with a 3-year-warranty and guaranteed long-term availability. The ISO-9001 certification, effective since 1996, forms part of the company's high quality concept.

Contact Press Release:
Michael Wogesin
Tel.: +49(0)2381 6890-46
Marketing@ekf.de