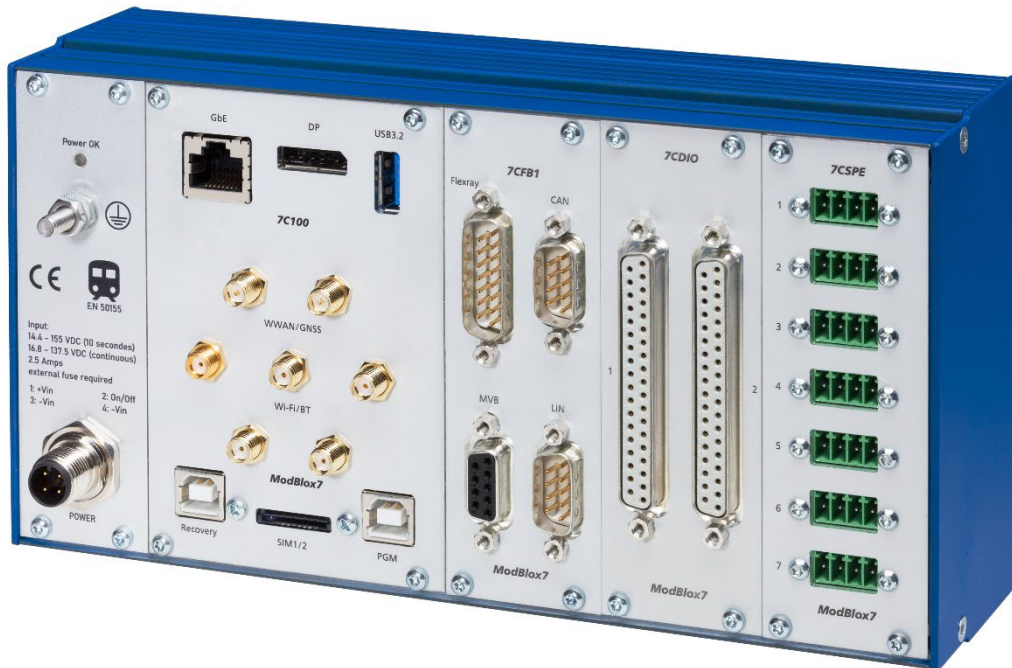# New PICMG® standard for modular industrial PCs

EKF showed first prototypes at the InnoTrans

Hamm, 2022-10-18: Under the name PICMG® **ModBlox7™**, several manufacturers are currently working on a new standard for modular industrial PCs that is intended to combine the advantages of scalable systems such as CompactPCI® with cost-saving box PCs.

As a flexible BoxPC system, ModBlox7™ is based on units defined in height and depth, but expandable in width.

Each unit has a front width of 7HP or a multiple thereof (1HP = 5.08mm). The mechanics allow for flexible mounting options, including wall mounts, DIN Rail clamp technology, or 19-inch sub-racks.

ModBlox7™ allows simple interconnection of boards without the need for an additional backplane. The rear panel of the housing is used for heat dissipation. Thus, highly integrated and redundant architectures can be realized.

In 2023, the PICMG® ModBlox7™ specification is expected to be finally approved.

In cooperation with **Ci4Rail**, **EKF** showed first prototype systems at InnoTrans in Berlin. The rail-suitable concept is based on a 7TE power supply arranged on the far left, next to it a 14TE wide CPU module, followed by I/O modules.

 More information about Modblox7™ can be found on the EKF website:
https://www.ekf.de/modblox7/Modblox7-flyer.pdf

About EKF:

Founded in 1972, EKF is one of today's leading manufacturers for modular industrial micro computers. 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 company's product range now 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 the Internet of Things, and mezzanine modules such as M.2 and XMC. Furthermore custom board designs, based on customer's specifications, are done on a daily basis. In-house SMT manufacturing guarantees highest quality as well as short lead times. EKF products carry 3 years of warranty and are available over a time frame of many years. The ISO-9001 certification, effective since 1996, forms part of the high quality concept.