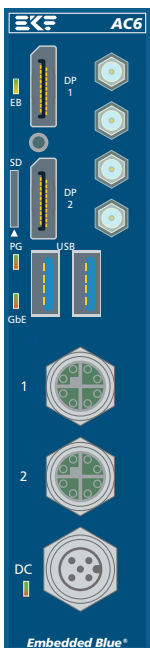


Press Release

Embedded World Nuremberg February 2019



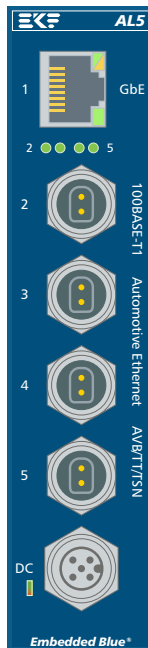
Introducing Embedded Blue[®] Industrial Internet of Things



AC6 - Industrial Computer

An Atom E39xx based IPC with flexible I/O based on a stackable extension design is offered with AC6, providing a clock frequency of 1.6 GHz and 8 GB RAM capacity.

Common operating and realtime system support with storage possibility on M.2 device or boot via iPXE.



AL5 - Industrial Switch - Automotive Ethernet

Study of an 1000Base-T1 solution based on *Weidmüller* connectors.

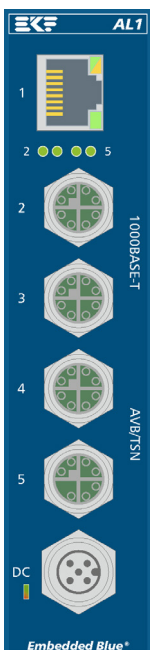
Support for 10Base-T1S, 10Base-T1L and 100Base-T1 will follow. Based on different bandwidth and length of buses, these standards are optimized to connect sensors & actors with low transfer rate in long distance fields to the cloud.



AL6 - Industrial Switch - Automotive Ethernet

Study of an 1000Base-T1 solution based on *Har-ting* connectors.

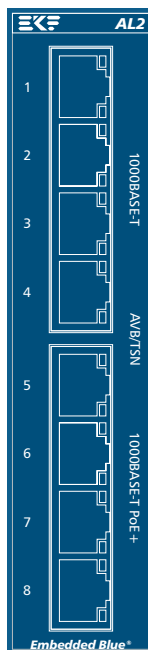
The successor of BroadR-Reach is under development. We are showing a study of what will be possible to connect e.g. automotive applications with short distances but huge amounts of raw data w/ SinglePair Ethernet (power supplied by PoDL).



AL1 - Industrial Switch

From 5 up to 15 ports are possible with rugged M12 x-coded connectors with GbE transfer rate as a simple unmanaged switch for easy extension of the network with devices or signal re-conditioning.

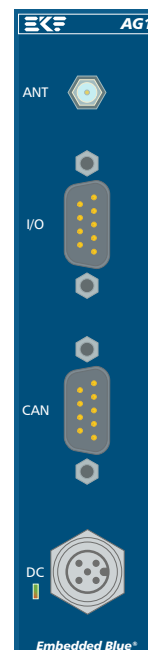
Even power in is realized by M12 and screwable Phoenix connector for daisy chaining.



AL2 - Industrial Switch w/ PoE+

8 RJ45 based Gigabit Ethernet ports with optional support of eight PoE+ ports (30Watt @ 48VDC). Managed solution for preparation for AVB/TSN usage.

Raw data from PoE+ audio and video devices e.g in measurement applications can therefore be prioritized for real time delivery through a network.



AG1 - Industrial Gateway

To connect analog or fieldbus devices the AG1 can be used to connect them to a standard GbE connection via copper or wireless with WLAN or LTE support.

On the incoming side, CAN bus, digital and analog I/O, sensor inputs and ADC / DAC are possible.

For further information reference to <http://www.ekf.de>

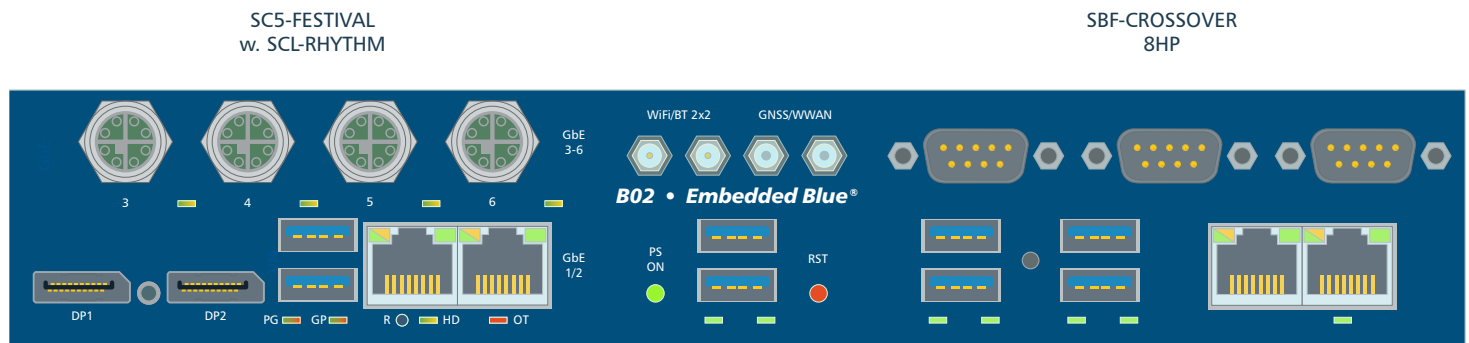
Technical Support & Sales: Manuel Murer • +49 (0) 2381 6890 0 • sales@ekf.de
 Press Contact: Wolfgang K. Weber • +49 172 404 5757 • wolfgang.weber@dapolino.de
 EKF Elektronik GmbH • Philipp-Reis-Str. 4 • 59065 Hamm • Germany

Introducing Embedded Blue[®]

Industrial Internet of Things

With the B01 and B02 EKF introduces a new family of Industrial PCs based on established EKF 19" boards for use in harsh environments. Customer advantages are the re-use of well known hardware from EKF including re-usage of software, knowledge and documentation in

combination with new areas of application. This family is the ideal addition for customers who already use EKF 19" products to add further functionality to the same ecosystem.



B02 (front) • draft only - do not scale • © EKF • ekf.com

B01 - Industrial PC

Intel core-i7 or ATOM based multi I/O system for carriage of a standard FHFL PCIe board with extended dimensions e.g. measurement for LiDAR or PCIe board with high throughput (PCIe x16 Gen3) and power consumption e.g. Nvidia Titan V or Altera Arria 10 FPGA board.

Conductive and liquid cooling options. Power supply with DC and AC input.

B02 - Industrial PC

Intel core-i7 or ATOM based multi I/O for carriage of flexible industrial cPCI-S peripheral boards.

This low cost system includes a COTS cPCI-S board with PCIe x8 Gen3, turning it into a complete boxed solution with different power supply and cooling options.

If just minor flexibility is needed, this system fills the gap between a classic 19" system and a BoxPC.

The new systems are designed to be used as stand alone, 19" mount, as a wall mount or in a DIN rail. All EKF products are engineered and produced in Germany. At the **EKF stand, Hall 1, Booth 1-660**, we will be happy to introduce the new products and the resulting benefits to you.