



**Modular Industrial
Computing Solutions**
Reliable. Long-Term
Available. Cost-Effective.

50 Years
1972 - 2022 boards. systems. solutions.

SHORTFORM OVERVIEW 22



**Embedded Blue[®] /
Embedded Gold**

Boxed Solutions for IIot and Edge Computing

The Embedded Blue series was developed to give customers full flexibility for IIot, Edge Computing or switching applications, while using a very cost-effective and size optimized mechanical design.

The boxed solutions of the **Embedded Blue** series are suited for DIN rail or wall mount assembly, coming in application-ready box housings.

The **Embedded Gold** series was developed to give also OEMs and customers with existing system solutions, the same functionality but without boxes. So integration of only the boards in a customer-specific housing is also possible.

The portfolio covers different switch modules with M12, SPE or RJ45 interconnect as well as system solutions based on Intel® ATOM™ E39xx CPU or Marvell® ARMADA™ processor for among others AVB/TSN real time networking.

Embedded Blue	Embedded Gold	
AC100	GC100	AI Edge Computing Platform, NVIDIA® Jetson Xavier™ NX SoM Wireless & Cable Ethernet Connectivity, PCI Express® Based Optical Cabling - Master/Slave
AC370	GC370	Industrial ARM® v8 Microcomputer SBC, Marvell® Armada® 3700 Family SoC, Gigabit Ethernet & Wi-Fi 6 / Bluetooth 5 Wireless Connectivity
AC600	GC600	Industrial Low Power X86 SBC, Intel® Atom™ E3900 Series (Apollo Lake SoC), dual DisplayPort, dual USB 3.1, dual, M12-X GbE, M12 DC-IN, expan. port WWAN, Wi-Fi, Bluetooth etc.
AJ100	GJ100	Industrial PoE+ Power Injector, Dual Port 2 x 30W 802.3 at M12-X Connectors, 1000BASE-T or NBASE-T
AJ200	GJ200	Industrial PoE+ Power Injector, Triple Port 3 x 30W 802.3 at RJ45 Gigabit Ethernet
AL100	GL100	Industrial Gigabit Ethernet Switch, 5 Port (30mm Width), 10 Port (60mm Width), 15 Port (90mm Width) M12-X Connectors
AL200/AL220	GL200/GL220	Industrial Gigabit Ethernet Switch AL/GL200 8-Port RJ45, AL/GL220 8-Port PoE+ 30W
AL600	GL600	Single Pair Ethernet Switch, 7 x 100BASE-T1 802.3bw IEC 63171-6, 1 x 1000BASE-T RJ45, Automotive/Industrial Ethernet, BroadR-Reach®

EKF Technology Building Blocks

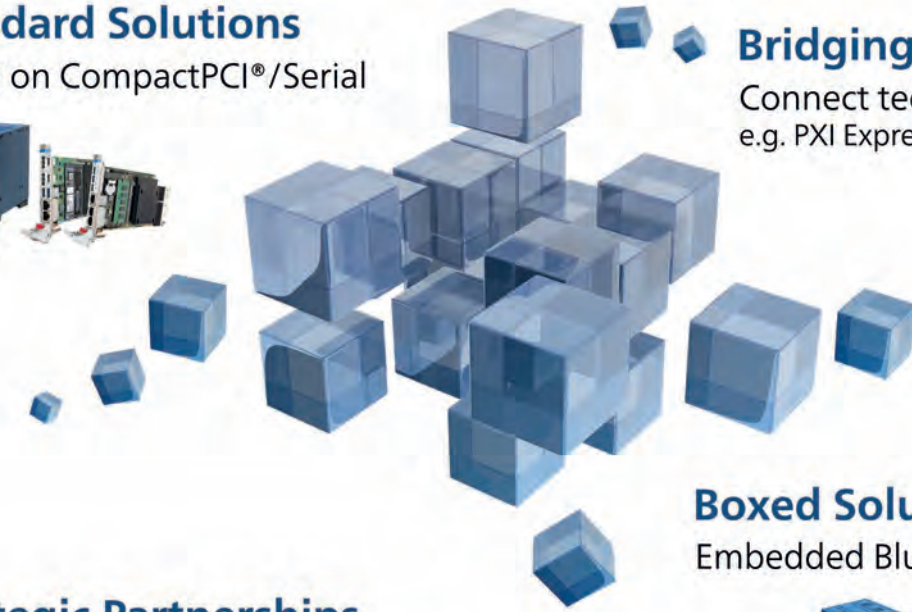
Standard Solutions

based on CompactPCI®/Serial



Bridging Solutions

Connect technologies e.g. PXI Express & CPCI® Serial



Boxed Solutions

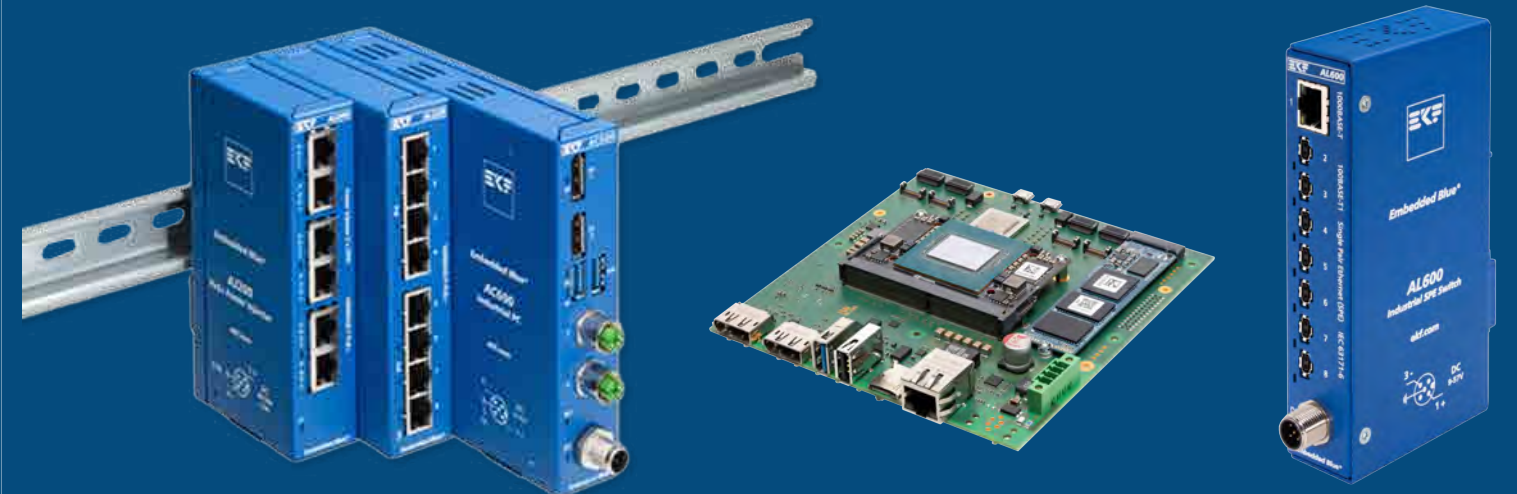
Embedded Blue®/Gold Series



Strategic Partnerships



Embedded Blue	Embedded Gold	
AX100		LIDAR™ V1 Interface Box Cable & Power Management for LIDAR™ Sensor Heads
	GL900	Manageable Gigabit Ethernet Switch, 9-Port (4 x PoE+ 30W), AVB/TSN Protocol Stack



About EKF



If you did not find what you are looking for or need diverse functionality combined on one board please don't hesitate to contact sales@ekf.de to start on the path to your perfect tailored solution!

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 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.