



ELOS

ELMA OPEN SYSTEM

SYSTEM SOLUTIONS

ENCLOSURES & COMPONENTS

ROTARY SWITCHES

MODULAR COMPUTING PLATFORM

ELOS is basically a modular computing platform. The trend for more distributed computing power requires specialized nodes for different applications. Even there are hundreds of different embedded computing systems available in the market quite often you do not find what you really need, a standard system doesn't match with your requirement.

The ELOS concept is based on a big variety of building blocks that allow configuring an application specific solution in no time, even in small quantities. The building blocks are divided in four different categories:

- › Rugged enclosure
- › Backplane
- › Power Supply
- › System platform

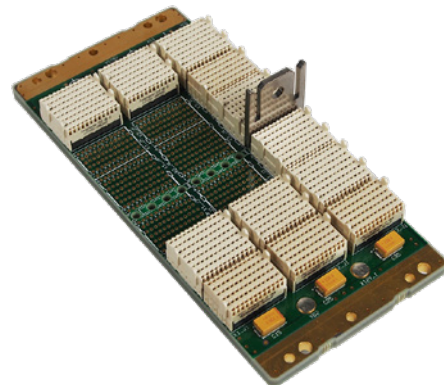
RUGGED ENCLOSURE

The basis for the enclosure is an extruded aluminium sheath. The design is made to support up to three Eurocards 100 x 160 mm and a bay for the power supply. Completely closed, with louver, additionally with fans: Depending on how many cards you need, what power consumption you have and which operating temperature is required. We configure the enclosure to your need and verify with our thermal simulation.



BACKPLANE

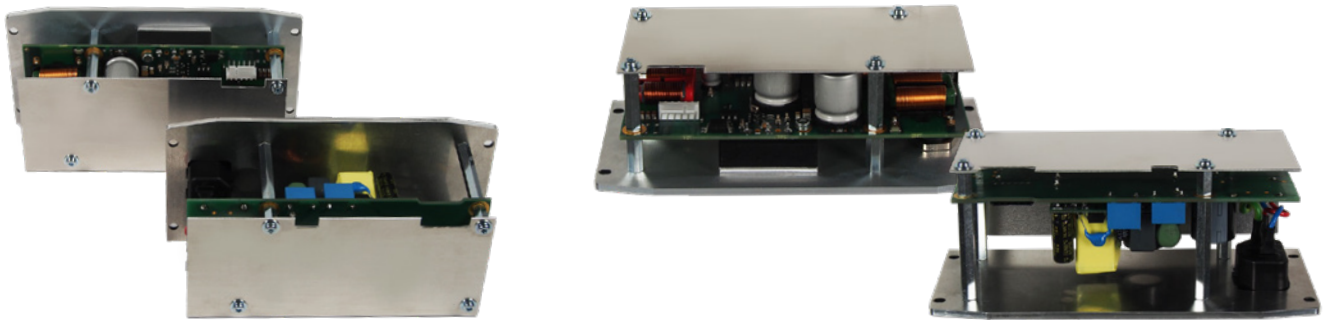
The Eurocard card cage is designed to support a three slot backplane. Basically every kind of backplane can be integrated into the card cage however the system is optimized for a CPCI Serial backplane with system slot right. This construction allows to contact the CPU with the enclosure and use the enclosure as a heat spreader. Optionally a two slot backplane with system slot in the center of the housing is available for applications where a mezzanine card is stacked to the CPU card.



POWER SUPPLY

- › You need a system for railway? Rolling stock or track side?
- › You need the system for automotive application: 12 V, 24 V, 48 V?
- › Your system requires 25 W or 75 W power?

We have the right power supply. All variants of the power supply are designed that they fit into the power bay on the rear side.



SYSTEM PLATFORM

With our building blocks enclosure, backplane and power supply and a fast growing eco system of CPCI Serial CPU, peripheral and mezzanine card we can build tailor made systems within days. You can start testing and develop your software already on the target system. You save valuable time and can be faster on the market. It gives also time to optimize a system and reduce cost for a volume production.





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