C6032: ultra-compact Industrial PC

The C6032 Industrial PC with dimensions of only 129 x 133 x 104 mm extends the range of ultra-compact Industrial PCs by a high-performance modular device. For this purpose, the C6032 adds a further circuit board level to the C6030 single-board Industrial PC to accommodate modular interface and functional extensions. With the use of compact PCIe modules, the C6032 can be adapted perfectly to the requirement profile of individual applications. Equipped with Intel® Core™ i processors of the 6th and 7th generation – up to the Core™ i7 with four cores and 3.6 GHz each – the C6032 is ideal to support extensive axis controls, complex HMI applications, extremely short cycle times or large data volumes.

CX5230/40: compact and modular Embedded PC series with the latest Intel® Atom™ processors

The DIN-rail-mountable, fanless Embedded PCs in the CX5200 series are equipped with Intel® processors of the Atom™ X series. The series encompasses two devices that differ by processor type and RAM:

- CX5230: Intel® Atom™ CPU (1.3 GHz, 2 cores), 4 GB DDR4 RAM
- CX5240: Intel® Atom™ CPU (1.6 GHz, 4 cores), 8 GB DDR4 RAM

These devices supplement the existing devices of the CX5000 series, introducing efficient multi-core technology into the compact Embedded PC range. While the CX5200 series offers the same hardware interfaces as the CX5000 series, the new series can be expanded by connecting a system or fieldbus module of the CX2000 family to the multi-pin terminal on the left-hand side of the device. The modular scalability makes it easy to meet individual application requirements.
EL2634: relay outputs with extremely high switching capability

The output terminal EL2634 is equipped with four relays, each of which has a single contact, and with potential-free contacts. The relay contact is suitable for use at up to 250 V AC or 30 V DC. Despite its compact form factor, the EL2634 is capable of switching four times 4 A AC/DC at 250 V. The EtherCAT Terminal indicates its signal state by means of light emitting diodes.

EL2596: flexible and highly precise LED strobe control for vision applications

The LED driver terminals from the EL2596 series contain a flexible power supply unit that supplies the LED with the required voltage and current. The terminals support applications from constant lighting to short light pulses in the kHz range. Each individual flash can be triggered by the control system in an exactly defined manner via the distributed clocks/timestamp function. The EtherCAT Terminals feature a trigger input to be directly triggered by a camera as well as a trigger output to trigger a camera. It also features fast, high-end voltage and current control, e.g. for providing line scan cameras with constant lighting. Extensive real-time diagnostics allow detailed monitoring of the LED light intensity. Thus, overdrive applications with short high-current pulses through the LED are possible. If a given load corridor is left, the EL259x switches off to protect the LED, with subsequent reset being possible.

Connectors for One Cable Automation now available in size B40

The connector families ENP and ECP, which were developed for One Cable Automation (OCA) solutions with elevated power requirements, combine EtherCAT or EtherCAT P with additional power cores in the cable. The range of previously available sizes, B12 to B36, has recently been expanded with the B40 connectors (16 mm² wire cross-section). The power contacts of the B40 hybrid connectors each have a current carrying capacity of up to 72 A. Possible applications range up to the 630 V AC/850 V DC level. In addition to pre-assembled products, the flexible B40 product portfolio also includes connectors for field installation and corresponding cable material sold by the metre.