EPEC

EPC-i10 HMI with touchscreen

Conditions for mobile working machines, such as underground mining machines or forest harvesters are very demanding, which requires more than normal office PC technology. EPC-i10 is a modern and powerful vehicle computer specially designed for demanding professional usage of machines and vehicles.

Extreme conditions, where vibration, wide temperature changes and moisture are encountered every day, were the criteria for the design and selection of components used. A pre-heater for low temperatures, robust aluminum housing and a toughened glass TFT screen with LED backlight, together with the dust and splash protection (IP54) form a base for reliable operation.

The unit has some digital inputs and outputs, a rich set of communication interfaces such as 2x CAN, 2x Video Input, GPS, GPRS/EDGE and the standard interfaces known from personal computers. As an option, WLAN and bluetooth are also available. A special feature of the modem used is that it has two SIM card slots.

The standard operating system allows usage of commercial software. Machine specific software can be written for instance with CODESYS Visualization. EPC-i10 offers an excellent platform for creating reliable, efficient and user-friendly HMI for the control system.

CODESYS 2.3 VISUALIZATION FOR EPC-I10
CODESYS 2.3 offers a user friendly programming interface for EPC-i10. CODESYS 2.3 is available for all EPC-i10 variants as an option.

EPC-I10 VARIANTS:

EPC-i10 M1 1,06GHZ ULV CELERON M WLAN+GPRS+GPS+BT 2Gbyte RAM, 32Gbyte SATA SSD 2 x Camera input 12.1 inch touch screen	**PRODUCT ORDER CODE** **E3003022-10**
EPC-i10 M2 1,06GHZ ULV CELERON M 2Gbyte RAM, 16Gbyte SATA SSD GPS 2 x Camera input 12,1 inch touch screen	**PRODUCT ORDER CODE** **E3003022-20**

CAN | **USB** | **ETHERNET** | **E17** | **CODESYS** | **CE**

EPC- i10 COMMON FEATURES FOR ALL VERSIONS:
- 2 x CAN (ISO High Speed)
- 4 x USB 2.0
- 1 x RJ45 Ethernet 10/100
- 1 x RS232
- Connection for UPS
- 2 x Sim card slot
- 1 x RJ11 for telephone handset
- 1 x Audio output
- 1 x Microphone input
- Outline dimensions 31 0 x 290 x 82 mm

- Overvoltage protection Reg. ISO 14982, Class A
- I/O Interface 5 x DI, 2 x DO
- For 12 V and 24 V systems (+10 … +30 VDC operating range)
- Operating temperature range: -40°C… +55°C

OPTIONS FOR ALL VARIANTS, PRODUCT CODE:
- Win 7 embedded standard installed, P0000013
- CODESYS V2.3 SP PLCWinNT SoftPLC and HMI visualization license for Windows, P0000011

ACCESSORIES:
- Panel mounting bracket, MA3122
- Mounting pedestal i10, MK0116
- Power cable 2m, flying leads, KW0157
- CAN cable 2m, flying leads, KW0158
- I/O and camera cable 2m, flying leads, KW0159
- GPRS / GPS roof antenna, KY0023
- USB keyboard with integrated touchpad, KY0014