

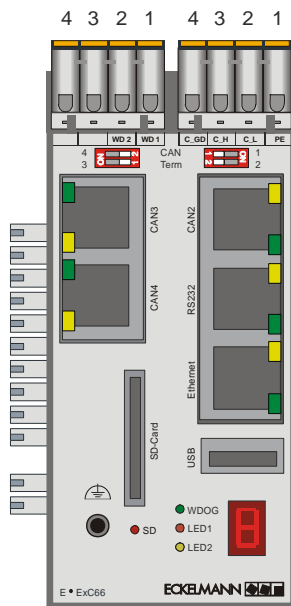
EMBEDDED CONTROLLER – ExC66



Features

- ▶ Embedded Controller for PLC, motion and CNC applications
- ▶ ELC66 (PLC): with CoDeSys, IEC 61131-3 compatible
- ▶ EMC66 (motion): additional motion library according to PLCopen
- ▶ ENC66 (CNC): additional NC-operating system, standard HMI, NC-programming
- ▶ 4 galvanic isolated CAN-Busses (e.g. for CANopen drives) on RJ45 connectors with pilot-LED's
- ▶ Real-time clock
- ▶ Memory extension via SD card slot and USB interface
- ▶ Ultra compact design
- ▶ Programming via RS232C and Ethernet
- ▶ Local-Bus for fast I/O-modules of the LBM family
- ▶ External LBM-PWR04 power modules are necessary to supply the ExC66 and the I/O modules
- ▶ 7 segment-LED for status and error messages

Connection diagram and terminal assignment ExC66



CAN1
CAN2 .. 4
RS232
Ethernet
USB
WDOG
LED1, LED2
SD-Card

Connections front-side
CAN-Interface with COMBICON connector
3 x CAN-Interface with RJ45
Programming interface RS232
Network connection 10/100 MB
USB interface
Watchdog LED
Status LED CAN1
Slot for SD-cards

Figure shows ExC66 with optional connectors

Technical specifications

Electrical connection

- ▶ Supply voltage: 5 VDC by Local-Bus from add. power module LBM-PWR04
- ▶ Supply current: max. 600 mA via Local-Bus

Interfaces

- ▶ Internal CAN1-bus: CANopen port for distributed I/O-modules
- ▶ Internal CAN2..4-bus: CANopen port for drives, operator panels etc
- ▶ Program memory: 16 MByte FLASH
- ▶ Data memory: 64 MByte SDRAM; 512 kByte CMOS-RAM battery buffered
- ▶ Memory extension: Slot for SD cards
USB interface for mass storage devices
- ▶ Programming interface: Ethernet, RS232C interface with pilot-LED's
- ▶ Operating monitoring: Watchdog with solid state relay

Housing

- ▶ Dimension: W 45 x H 100 x D 115 mm
- ▶ Temperature range: -20°C bis +70°C; transport and storage
+0°C bis +50°C; operation
- ▶ Relative humidity: 5 – 95 %, non-condensing
- ▶ Protection: IP20
- ▶ Standards: EC conformation declaration according
 - ▶ 89/336/EWG (EMC-standards)
 - ▶ 73/23/EWG (low voltage standard)