



Intelligent Controller with CAN/Ethernet Gateway CE3CPU

■ Brief description

The CE3CPU provides distributed intelligence for transparent automation solutions. Linking CAN to Ethernet, this module provides direct access to CAN field bus networks from Ethernet PCs without any additional CAN interface.

This module provides a full-fledged CANopen master implementation as a library for IEC 1131 and 'C'.

- 1 Ethernet Interface
- 1 CAN Interface
- 1 RS232 Interface
- Programming in 'C' or IEC61131-3

With small space requirements the CE3CPU is ideal for distributed solutions. Designed for in-line configurations, this module simply snaps to standard rails. The control units thus set up are networked via the CANbus.

■ Field-level connections

The signal level of the CE3CPU is factory-configured with connector strips for easy wiring. Connections are made at the front. Choose any of three connection techniques:

- screw connection
- spring latch
- crimping

Front-panel LEDs provide information on operational status of the module.

■ CAN / Ethernet Gateway

In addition to its control functionality, the CE3CPU provides a Gateway function linking the CAN and Ethernet TCP/IP networks. For Ethernet linkage, the module is equipped with a RJ45 interface, enabling PC applications on with Ethernet network boards to directly access CAN field bus networks.



■ Standard programming tools

Like all products of the Berghof CANtrol series, the CE3CPU is programmed by means of a PC running Windows XP. Depending on your specific requirements, choose IEC 1131-3 compliant SPS programming or the 'C' high-level language. We provide a wide range of tools to support you at all stages of software development.

At a glance - a brief overview

Moduldaten		RJ45 Anschluss (10BASE-T)
Development environment	CP1131	CPC++
Name	CE3CPU	auf Anfrage
Item No..	2031000	
Dimensions wxhxd [mm]	124 x 170 x 85.5 (modular dimension W = 113/118.5)	
Weight	approx. 700 g	
Mounting	NS 35/7.5 EN 50022 mounting rail	
Working temperature range	5°C to 50°C (no moisture condensation) convection cooling provided	
CPU	MC 68 EN360 / 33 MHz	
Flash EPROM / SRAM	2 MB / 2 MB	
Programmable software	IEC 61131-3 or (available on request) 'C' standard language with real-time operating system	
EMC, class of protection, insulation testing, degree of protection		
Emitted Interference	EN 50081-2, industrial sector	
Noise immunity	EN 50082-2, industrial sector	
Class of protection	EN 61131-2	
Insulation resistance	EN 61131-2; 500 VDC (test voltage)	
Degree of protection	IP20	
Supply voltage, power consumption		
Modular electronics power supply (supply voltage)	SELV +24 VDC max. 0.4 A (EN61131-2)	
Power consumption	at Ue = 24 VDC idling max. 300 mA	
Connection method	vertical front wiring with push-on terminal strips for screw Connector plug: 1 x 2 pole	
Operation and display		
LED's	5 status LEDs	
'S' button	yes, at the front (including module reset)	
Interfaces		
Type of Interfaces	CAN Bus, Ethernet, SIO	
Programming	via CANbus, RS 232 or Ethernet interface	
Ethernet communication		
Protocols	TCP/IP and UDP/IP	
User interface	C library (available on request); CP1131 library	