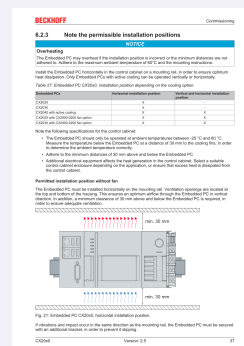


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

CX2030-0130/4GB
embedded PC CPU module



PRODUCT	CX2030-0130/4GB
FAMILY	Beckhoff CX2000 embedded PCs
FUNCTION	embedded PC CPU module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from ALL MANUFACTURERS documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Processor	Intel Core i7-2610UE, 1.5 GHz
Processor cores	2
Main memory	4 GB DDR3 factory option
Operating system	Windows Embedded Standard 7 P, 64-bit
Ethernet	2 RJ45, 10/100/1000 Mbit/s
USB	4 USB 2.0 ports

02 PREPARATION AND CONNECTION

- Confirm the complete CX2030-0130/4GB article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

BECKHOFF

Commissioning

6.2.3 Note the permissible installation positions

NOTICE

Overheating

The Embedded PC may overheat if the installation position is incorrect or the minimum distances are not adhered to. Adhere to the maximum ambient temperature of 60°C and the mounting instructions.

Install the Embedded PC horizontally in the control cabinet on a mounting rail, in order to ensure optimum heat dissipation. Only Embedded PCs with active cooling can be operated vertically or horizontally.

Table 27: Embedded PC CX20x0, installation position depending on the cooling option.

Embedded PCs	Horizontal installation position	Vertical and horizontal installation position
CX2020	X	-
CX2030	X	-
CX2040 with active cooling	X	X
CX2020 with CX2900-0200 fan option	X	X
CX2030 with CX2900-0200 fan option	X	X

Note the following specifications for the control cabinet:

- The Embedded PC should only be operated at ambient temperatures between -25 °C and 60 °C. Measure the temperature below the Embedded PC at a distance of 30 mm to the cooling fins, in order to determine the ambient temperature correctly.
- Adhere to the minimum distances of 30 mm above and below the Embedded PC.
- Additional electrical equipment affects the heat generation in the control cabinet. Select a suitable control cabinet enclosure depending on the application, or ensure that excess heat is dissipated from the control cabinet.

Permitted installation position without fan

The Embedded PC must be installed horizontally on the mounting rail. Ventilation openings are located at the top and bottom of the housing. This ensures an optimum airflow through the Embedded PC in vertical direction. In addition, a minimum clearance of 30 mm above and below the Embedded PC is required, in order to ensure adequate ventilation.

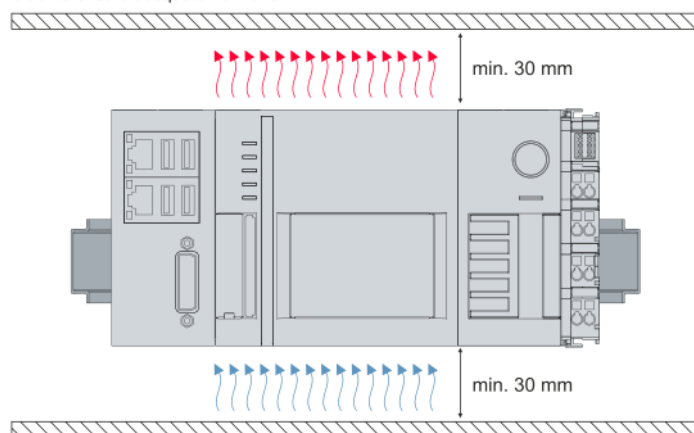


Fig. 21: Embedded PC CX20x0, horizontal installation position.

If vibrations and impact occur in the same direction as the mounting rail, the Embedded PC must be secured with an additional bracket, in order to prevent it slipping.

04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	Beckhoff official manufacturer documentation
Product record	CX2030-0130/4GB
Manufacturer	ALL MANUFACTURERS
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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