

X20CP1483

X20 compact controller

PLC logic plus Ethernet, POWERLINK and X20 process data

PRODUCT SNAPSHOT

BRAND

B&R

FAMILY

B&R X20 PLC

PART

X20CP1483

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PRODUCT OVERVIEW

PLC logic plus Ethernet, POWERLINK and X20 process data

1

Uses a 100 MHz Intel-compatible CPU

2

Integrates Ethernet and POWERLINK

3

Provides one modular interface slot

4

Stores the application on CompactFlash

SYSTEM COMPONENTS

X20 bus base and slices

CompactFlash application media

POWERLINK devices

Automation Studio project

TECHNICAL NOTE

Back up the CompactFlash and Automation Studio project; preserve Ethernet, POWERLINK and interface-module settings before replacement.

TECHNICAL DATA

PARAMETER	VALUE
Processor	Intel x86 compatible; 100 MHz
Interfaces	Ethernet; POWERLINK; USB
Interface slots	1 modular slot

PARAMETER	VALUE
Application storage	CompactFlash
Cooling	Fanless

ENGINEERING NOTE

Back up the CompactFlash and Automation Studio project; preserve Ethernet, POWERLINK and interface-module settings before replacement.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500-42M-SIL2-09-01	Related industrial automation product	View 3500-42M-SIL2-09-01 page
330130-070-00-05	Related industrial automation product	View 330130-070-00-05 page
330130-040-03-00	Related industrial automation product	View 330130-040-03-00 page
330130-035-00-05	Related industrial automation product	View 330130-035-00-05 page
330130-080-13-05	Related industrial automation product	View 330130-080-13-05 page
330130-046-00-06	Related industrial automation product	View 330130-046-00-06 page
6SL3985-6TM00-0AA0	Related industrial automation product	View 6SL3985-6TM00-0AA0 page
330525-00	Related industrial automation product	View 330525-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Compact machine controller

Uses a 100 MHz Intel-compatible CPU

Distributed I/O coordinator

Integrates Ethernet and POWERLINK

POWERLINK equipment control

Provides one modular interface slot

Installed-base CPU renewal

Stores the application on CompactFlash

PRODUCT PRECAUTIONS

- 1 Verify the full X20CP1483 marking and its assigned B&R X20 PLC position before work.
- 2 Place the connected machine or process in the approved maintenance state.
- 3 Isolate the applicable supply and plc logic plus ethernet, powerlink and x20 process data field energy before disconnecting conductors.
- 4 Record connector, conductor, address and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed X20 bus base and slices and CompactFlash application media against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended compact machine controller function and retain the final test result.

ENGINEER FAQ

Q1 Does X20CP1483 match X20 bus base and slices in a Compact machine controller installation?

Verify the complete X20CP1483 marking, the documented B&R X20 PLC position and the installed X20 bus base and slices before fitting the assembly.

Q2 How should X20CP1483 be wired when it must uses a 100 mhz intel-compatible cpu?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for X20CP1483; then continuity-test the affected path.

Q3 Which B&R X20 PLC records should be captured before removing X20CP1483?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with X20CP1483 before disconnection.

Q4 What controlled test confirms that X20CP1483 can integrates ethernet and powerlink?

Apply the approved field or simulated stimulus, observe the B&R X20 PLC indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which CompactFlash application media condition should be checked when X20CP1483 reports an abnormal state?

Check the CompactFlash application media supply, seating and connection first, then compare channel diagnostics with the recorded X20CP1483 baseline.

Q6 Can X20CP1483 be moved directly into Distributed I/O coordinator without validating Automation Studio project?

No. Confirm the Automation Studio project, revision, connection scheme and B&R X20 PLC configuration before transferring X20CP1483 to that duty.

Q7 What maintenance evidence is required after X20CP1483 is used for POWERLINK equipment control?

Retain the nameplate record, corrective action, final diagnostics and a controlled powerlink equipment control functional-test result for X20CP1483.

Q8 How should X20CP1483 be returned to service in Installed-base CPU renewal?

Restore power under control, verify provides one modular interface slot, exercise the intended signal path and release X20CP1483 only after the B&R X20 PLC remains in its approved operating state.

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