X20CP3585

Redundancy-capable X20 controller

Redundant PLC logic, communication interfaces and POWERLINK data

PRODUCT SNAPSHOT

BRAND	**FAMILY**
B&R	B&R X20 PLC
PART	**ORIGIN / HS**
X20CP3585	Austria / 8537101190

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PRODUCT OVERVIEW

Redundant PLC logic, communication interfaces and POWERLINK data

1. Uses a 1 GHz Intel Atom processor
2. Provides three modular interface slots
3. Supports redundant controller operation
4. Integrates Ethernet, POWERLINK and CompactFlash

SYSTEM COMPONENTS

- X20 bus base and I/O
- three approved interface modules
- redundancy partner controller
- Automation Studio project and CompactFlash

TECHNICAL NOTE

Confirm active/standby roles, synchronization state, interface modules, CompactFlash image and project revision before controlled switchover testing.

TECHNICAL DATA

PARAMETER	VALUE
Processor	Intel Atom; 1 GHz
Main memory	256 MB DDR2 SDRAM
Modular interface slots	3
Interfaces	Ethernet; POWERLINK; USB

PARAMETER	VALUE
Application storage	CompactFlash
Redundancy	Supported
Cooling	Fanless

ENGINEERING NOTE

Confirm active/standby roles, synchronization state, interface modules, CompactFlash image and project revision before controlled switchover testing.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
VCCM8551G410MO	Related industrial automation product	**View VCCM8551G410MO page**
VCCM8551G309MO	Related industrial automation product	**View VCCM8551G309MO page**
6SL3300-1AH32-5BA0	Related industrial automation product	**View 6SL3300-1AH32-5BA0 page**
6SE7041-8GK85-0LA0	Related industrial automation product	**View 6SE7041-8GK85-0LA0 page**
6SE7041-8EK85-1MA0	Related industrial automation product	**View 6SE7041-8EK85-1MA0 page**
6SE7037-0EJ84-1JC2	Related industrial automation product	**View 6SE7037-0EJ84-1JC2 page**
6SE7036-1EE85-1HA0	Related industrial automation product	**View 6SE7036-1EE85-1HA0 page**
C98043-A1682-L1	Related industrial automation product	**View C98043-A1682-L1 page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Redundant process controller

Uses a 1 GHz Intel Atom processor

Multi-interface machine control

Provides three modular interface slots

POWERLINK automation cell

Supports redundant controller operation

Controller-pair replacement

Integrates Ethernet, POWERLINK and CompactFlash

PRODUCT PRECAUTIONS

1. Verify the full X20CP3585 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 redundant plc logic, communication interfaces and powerlink 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 I/O and three approved interface modules against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended redundant process controller function and retain the final test result.

ENGINEER FAQ

Q1 Does X20CP3585 match X20 bus base and I/O in a Redundant process controller installation?

Verify the complete X20CP3585 marking, the documented B&R X20 PLC position and the installed X20 bus base and I/O before fitting the assembly.

Q2 How should X20CP3585 be wired when it must uses a 1 ghz intel atom processor?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for X20CP3585; then continuity-test the affected path.

Q3 Which B&R X20 PLC records should be captured before removing X20CP3585?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with X20CP3585 before disconnection.

Q4 What controlled test confirms that X20CP3585 can provides three modular interface slots?

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 three approved interface modules condition should be checked when X20CP3585 reports an abnormal state?

Check the three approved interface modules supply, seating and connection first, then compare channel diagnostics with the recorded X20CP3585 baseline.

Q6 Can X20CP3585 be moved directly into Multi-interface machine control without validating Automation Studio project and CompactFlash?

No. Confirm the Automation Studio project and CompactFlash, revision, connection scheme and B&R X20 PLC configuration before transferring X20CP3585 to that duty.

Q7 What maintenance evidence is required after X20CP3585 is used for POWERLINK automation cell?

Retain the nameplate record, corrective action, final diagnostics and a controlled powerlink automation cell functional-test result for X20CP3585.

Q8 How should X20CP3585 be returned to service in Controller-pair replacement?

Restore power under control, verify supports redundant controller operation, exercise the intended signal path and release X20CP3585 only after the B&R X20 PLC remains in its approved operating state.

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