APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

X20CP3585

Redundancy-capable X20 controller

Redundant PLC logic, communication interfaces and POWERLINK data

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	B&R X20 PLC
Part number	X20CP3585
Country	Austria
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

2 Technical Specifications

Technical values below are limited to the named B&R product record.

PARAMETER	TECHNICAL VALUE
Processor	Intel Atom; 1 GHz
Main memory	256 MB DDR2 SDRAM
Modular interface slots	3
Interfaces	Ethernet; POWERLINK; USB
Application storage	CompactFlash
Redundancy	Supported
Cooling	Fanless

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	X20 bus base and I/O
Companion hardware	three approved interface modules
Field connection	redundancy partner controller
Primary system function	Uses a 1 GHz Intel Atom processor
Controlled acceptance duty	Redundant process controller

3 System Role and Architecture

Redundant PLC logic, communication interfaces and POWERLINK data

FUNCTION 1

Uses a 1 GHz Intel Atom processor

FUNCTION 2

Provides three modular interface slots

FUNCTION 3

Supports redundant controller operation

FUNCTION 4

Integrates Ethernet, POWERLINK and CompactFlash

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	X20 bus base and I/O
Companion hardware	three approved interface modules
Field connection	redundancy partner controller
Primary system function	Uses a 1 GHz Intel Atom processor
Controlled acceptance duty	Redundant process controller

4 Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	X20CP3585 / X20CP3585 recorded
Physical interface	X20 bus base and I/O
Companion check	three approved interface modules
Functional proof	Uses a 1 GHz Intel Atom processor
Application test	Redundant process controller

5 Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330103-00-16-10-12-CN	Related industrial automation product	View 330103-00-16-10-12-CN page
330104-00-04-50-02-00	Related industrial automation product	View 330104-00-04-50-02-00 page
330130-080-12-05	Related industrial automation product	View 330130-080-12-05 page
330730-040-00-00	Related industrial automation product	View 330730-040-00-00 page
51305348-100	Related industrial automation product	View 51305348-100 page
RDCO-02C-3ABD64606956	Related industrial automation product	View RDCO-02C-3ABD64606956 page
3BHE022294R0101-GFD233-A101	Related industrial automation product	View 3BHE022294R0101-GFD233-A101 page
330173-00-05-10-12-00	Related industrial automation product	View 330173-00-05-10-12-00 page

MANUFACTURER SOURCE RECORD

B&R official product data sheet

B&R product data

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com