

5ACPCI.ETH3-01

Three-port PCI Ethernet card

B&R 5ACPCI.ETH3-01 is a Three-port PCI Ethernet card. It performs the documented Automation PC system role in the approved industrial installation.

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	Automation PC
Part number	5ACPCI.ETH3-01
Product role	Provides the documented three-port pci ethernet card function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Record adapter order, IP settings and cable destinations, isolate PC power and use ESD controls before installing the PCI card.

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WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



5ACPCI.ETH3-01

Technical Specifications

Technical values below are limited to the named B&R product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
B&R ID	0xA58B	Maximum segment	100 m
Ethernet ports	3	PCI voltage	Universal 3.3/5 V
Controller	Intel 82551ER	Card size	Half-size PCI
Connectors	Shielded RJ45	Slot	Standard 16-bit PCI
Data rate	10/100 Mbit/s		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Automation PC
Primary system role	Provides the documented three-port pci ethernet card function
Connection boundary	Record adapter order, IP settings and cable destinations, isolate PC power and use ESD controls before installing the PCI card.
Controlled acceptance duty	Automation PC system maintenance

ENGINEERING BOUNDARY

Confirm B&R 5ACPCI.ETH3-01, Automation PC host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Pre-Installation Checks

- 1

Confirm the complete B&R 5ACPCI.ETH3-01 marking and installed Automation PC position before work.
- 2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.
- 3

Record power, signal, network, terminal and protective-ground connections before removal.
- 4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	5ACPCI.ETH3-01
Installed host	Automation PC
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

B&R 5ACPCI.ETH3-01 is a Three-port PCI Ethernet card. It performs the documented Automation PC system role in the approved industrial installation.

FUNCTION 1

Provides the documented three-port pci ethernet card function

FUNCTION 2

Uses exact B&R article identity 5ACPCI.ETH3-01

FUNCTION 3

Integrates with the matched Automation PC hardware

FUNCTION 4

Supports controlled diagnostics and functional verification

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Automation PC
2	3
3	Automation PC system maintenance
4	Record adapter order, IP settings and cable destinations, isolate PC power and use ESD controls before installing the PCI card.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Automation PC
Interface role	Provides the documented three-port pci ethernet card function
Field / power context	The component is used with the exact carrier, terminal, power, signal and network arrangement approved for B&R 5ACPCI.ETH3-01. Commissioning preserves the installed configuration and verifies controlled system response.
Commissioning evidence	Complete a controlled functional test and retain the acceptance result before production release.

Installation and Connection Checks

1

Verify b&r id (0xA58B) against the installed project and connected hardware.

2

Verify ethernet ports (3) and restore only the approved configuration.

3

Energize in the prescribed sequence and review module, host and network diagnostics.

4

Complete a controlled functional test and retain the acceptance result before production release.

MANUFACTURER SOURCE RECORD

B&R 5ACPCI.ETH3-01 product data
B&R product record 5ACPCI.ETH3-01

Applications and Engineering Context

Automation PC system maintenance

Restores the documented three-port pci ethernet card function in an engineered installation.

Control-panel modernization

Preserves the approved B&R hardware identity during a controlled system upgrade.

Installed-interface verification

Confirms the documented b&r id and ethernet ports before process release.

Controlled recommissioning

Verifies configuration, diagnostics and field response after maintenance or replacement.

TECHNICAL NOTE

Record adapter order, IP settings and cable destinations, isolate PC power and use ESD controls before installing the PCI card.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	5ACPCI.ETH3-01 recorded
Host / carrier	Automation PC
Physical interface	Provides the documented three-port pci ethernet card function
Configuration	Energize in the prescribed sequence and review module, host and network diagnostics.
Functional proof	Complete a controlled functional test and retain the acceptance result before production release.

IMPORTANT NOTICE

Confirm B&R 5ACPCI.ETH3-01, Automation PC host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	5ACPCI.ETH3-01
Approved role	Automation PC system maintenance
Final validation	Complete a controlled functional test and retain the acceptance result before production release.

Engineering Precautions

1	Confirm the complete B&R 5ACPCI.ETH3-01 marking and installed Automation PC position before work.	2	Place the machine or process in the approved maintenance state and isolate every applicable energy source.
3	Record power, signal, network, terminal and protective-ground connections before removal.	4	Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.
5	Verify b&r id (0xA58B) against the installed project and connected hardware.	6	Verify ethernet ports (3) and restore only the approved configuration.
7	Energize in the prescribed sequence and review module, host and network diagnostics.	8	Complete a controlled functional test and retain the acceptance result before production release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
B&R 3CP340.60-2	Related industrial automation product	View B&R 3CP340.60-2 page
B&R X67SM2436	Related industrial automation product	View B&R X67SM2436 page
B&R 5MP050.0653-03	Related industrial automation product	View B&R 5MP050.0653-03 page
B&R 80SD100XD.C0XX-21	Related industrial automation product	View B&R 80SD100XD.C0XX-21 page
B&R 7EX290.50-1	Related industrial automation product	View B&R 7EX290.50-1 page
B&R X20AI2237	Related industrial automation product	View B&R X20AI2237 page
B&R X20AT6402	Related industrial automation product	View B&R X20AT6402 page
B&R 7CP476.60-1	Related industrial automation product	View B&R 7CP476.60-1 page

MANUFACTURER SOURCE RECORD

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