APTER■POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

5ACPCI.ETH3-01

Three-port PCI Ethernet card

Three independent 10/100 Mbit/s Ethernet network channels

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	B&R industrial PC option
Part number	5ACPCI.ETH3-01
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
B&R ID	0xA58B
Ethernet ports	3
Controller	Intel 82551ER
Connectors	Shielded RJ45
Data rate	10/100 Mbit/s
Maximum segment	100 m
PCI voltage	Universal 3.3/5 V
Card size	Half-size PCI
Slot	Standard 16-bit PCI

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	compatible B&R industrial PC
Companion hardware	standard PCI slot
Field connection	Ethernet cables and switches
Primary system function	Provides three shielded RJ45 ports
Controlled acceptance duty	Multi-network industrial PC

3 System Role and Architecture

Three independent 10/100 Mbit/s Ethernet network channels

FUNCTION 1

Provides three shielded RJ45 ports

FUNCTION 2

Uses the Intel 82551ER Ethernet controller

FUNCTION 3

Supports 10/100 Mbit/s communication

FUNCTION 4

Fits a universal half-size PCI interface

Matched system components

- compatible B&R industrial PC
- standard PCI slot
- Ethernet cables and switches
- operating-system network configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	compatible B&R industrial PC
Companion hardware	standard PCI slot
Field connection	Ethernet cables and switches
Primary system function	Provides three shielded RJ45 ports
Controlled acceptance duty	Multi-network industrial PC

4 Applications and Engineering Context

Multi-network industrial PC

Provides three shielded RJ45 ports

Separated machine and plant networks

Uses the Intel 82551ER Ethernet controller

Service Ethernet interface

Supports 10/100 Mbit/s communication

PCI network-card replacement

Fits a universal half-size PCI interface

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 / 5ACPCI.ETH3-01 recorded
Physical interface	compatible B&R industrial PC
Companion check	standard PCI slot
Functional proof	Provides three shielded RJ45 ports
Application test	Multi-network industrial PC

5 Engineering Precautions

1. Verify the full 5ACPCI.ETH3-01 marking and its assigned B&R industrial PC option position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and three independent 10/100 mbit/s ethernet network channels 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
DSBC174-3BSE012211R1	Related industrial automation product	View DSBC174-3BSE012211R1 page
DSAI145-57120001-HA	Related industrial automation product	View DSAI145-57120001-HA page
DSAI130-57120001-P	Related industrial automation product	View DSAI130-57120001-P page
DSAI110-57120001-DP	Related industrial automation product	View DSAI110-57120001-DP page
DRA02-37411-4-0369673-IDENTITY	Related industrial automation product	View DRA02-37411-4-0369673-IDENTITY page
DPW02-IDENTITY-VERIFICATION	Related industrial automation product	View DPW02-IDENTITY-VERIFICATION page
DO630-3BHT300007R1	Related industrial automation product	View DO630-3BHT300007R1 page
DLM02	Related industrial automation product	View DLM02 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