

PU514

PCI RTA Board

ABB PU514 is a PCI real-time accelerator board used with 32-bit MOD 300 and 800xA engineering workstation configurations. ABB requires an available 5 V PCI slot and identifies external PU410K02 or PU412K01 units as the later replacement path.

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
Complete model	PU514
Product role	PCI RTA Board
System family	MOD 300 Engineering

MANUFACTURER SOURCE RECORDS

- 1. ABB System 800xA 5.1 Technical Data and Configuration 3BSE041434
- 2. ABB MOD 300 Engineering Displays Data Sheet 3BUR002414R1

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Product Overview

System function

ABB PU514 is a PCI real-time accelerator board used with 32-bit MOD 300 and 800xA engineering workstation configurations. ABB requires an available 5 V PCI slot and identifies external PU410K02 or PU412K01 units as the later replacement path.

PCI workstation interface

Provides the documented RTA function through a 5 V PCI slot.

Bus-powered operation

Receives operating power from the workstation PCI bus.

MOD 300 communication

Supports the legacy engineering communication role in documented workstation configurations.

External migration path

Transitions to the ABB-documented PU410K02 or PU412K01 external RTA unit.

Technical note

Verify the workstation generation and an available 5 V PCI slot before installing PU514. For current migration work, use the ABB-documented external RTA replacement rather than assuming support for the legacy board.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	PU514	Power source	PCI bus
Product type	Real-time accelerator board	Legacy system role	MOD 300 / 800xA engineering communication
Host interface	PCI	Later replacement	PU410K02 or PU412K01 external RTA unit
Supported host class	32-bit workstation	Current support status	Legacy PU514 board not supported in later 800xA 5.1 configurations
PCI requirement	Available 5 V PCI slot		

Engineering boundary

Verify the workstation generation and an available 5 V PCI slot before installing PU514. For current migration work, use the ABB-documented external RTA replacement rather than assuming support for the legacy board.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
MOD 300 workstation	Provides the RTA interface in a compatible 32-bit engineering workstation.
Legacy 800xA engineering	Supports the documented older PCI-based engineering arrangement.
RTA board replacement	Replaces an exact PU514 only after slot and software compatibility review.
Workstation migration	Uses an external ABB RTA unit for the later supported configuration.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is ABB PU514?	ABB PU514 is a PCI real-time accelerator board used in documented 32-bit engineering workstation configurations.
Which PCI slot does ABB PU514 require?	ABB specifies an available 5 V PCI slot.

Related Products

MODEL	APTER POWER PAGE
ABB SR511 3BSE000863R1	View ABB SR511 3BSE000863R1
ABB 07DI92	View ABB 07DI92
ABB 07KT92 JR5250500R0902	View ABB 07KT92 JR5250500R0902
ABB 07KR91 GJR5250000R0101	View ABB 07KR91 GJR5250000R0101

FAQ, Related Products and Sources

QUESTION	ANSWER
How is ABB PU514 powered?	The board receives power from the workstation PCI bus.
Which workstation class uses ABB PU514?	ABB documents PU514 for 32-bit workstation configurations.
Can ABB PU514 use a 3.3 V-only PCI slot?	No. ABB distinguishes the required 5 V PCI slot from 3.3 V-only slots.
Is ABB PU514 supported in later 800xA 5.1 configurations?	ABB states that the legacy PU514 board is not supported in the later configuration.
Which units replace ABB PU514 in the later architecture?	ABB identifies PU410K02 or PU412K01 external RTA units as the replacement path.
What confirms ABB PU514 commissioning?	The verified host, 5 V slot, engineering configuration and communication tests must match the approved record.

MODEL	APTER POWER PAGE
ABB 07KP90 GJR5251000R0202	View ABB 07KP90 GJR5251000R0202
ABB 07EB62R1 GJV3074342R1	View ABB 07EB62R1 GJV3074342R1
ABB 07KP60R101 GJV3074360R101	View ABB 07KP60R101 GJV3074360R101
ABB 07NG61R1 GJV3074311R1	View ABB 07NG61R1 GJV3074311R1

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