CI547 3BNP004429R1

MasterBus 300 Communication Board with Slave Processor

ABB CI547 3BNP004429R1 MasterBus 300 Communication Board with Slave Processor with exact-model technical data, controlled replacement guidance and product-specific verification records.

CI547 3BNP004429R1 configuration dashboard

Dedicated MasterBus processing

The board includes a slave processor so network work is separated from the central processor.

MB300 and MB300E interface role

Bus execution and installed network hardware must agree with the offered board.

Controller-load coordination

Communication recovery is verified together with PM150 load, node status and controller diagnostics.

Exact order-code identity

Complete product reference	CI547 3BNP004429R1
Product type	MasterBus 300 Communication Board with Slave Processor
System platform	Advant Master AC 450 / AC 460 and MasterBus 300
Type designation	CI547
ABB product ID	3BNP004429R1
Protocol family	MasterBus 300 / MasterBus 300E
Board role	Communication interface
Processor arrangement	Includes slave processor

ABB identifies CI547 3BNP004429R1 as a MasterBus 300/300E communication interface board that includes a slave processor.

MasterBus 300 Communication Board with Slave Processor technical capability map

Host benefit	Reduces load on central processor module PM150
Module class	Communication module
Network boundary	Bus media, node configuration and controller database
Replacement basis	Complete marking and installed-system evidence

Installed controller use	AC 450 / AC 460 installed base
Replacement basis	Product ID, board revision and MB300 execution
Lifecycle context	While-supplies-last installed-base part

Installed signal or connection path

Field signal > **Termination block** > **CI547 3BNP004429R1** > **LocalBus** > **Control strategy**

System interpretation boundary

The slave processor reduces the communication load on the central PM150 processor. Network media, controller software, addressing and bus execution remain installation-dependent.

Before exchange, capture node and database records, bus connections and board revision. After installation, verify controller recognition, stable bus status and expected peer communication.

Application fit decisions for CI547 3BNP004429R1

MasterBus 300 communication

Connect installed Advant Master controllers and stations on the approved bus.

AC450/AC460 maintenance

Restore the documented communication-board and central-processor relationship.

Network fault isolation

Separate cable, node, board and controller-database causes.

Installed-base spare planning

Match CI547, 3BNP004429R1, revision and bus execution.

Engineering decision matrix

How should the MasterBus execution be confirmed for CI547 3BNP004429R1?	Identify whether the installed network uses MasterBus 300 or MB300E and match the board revision, media and controller configuration.
What role does the slave processor in CI547 3BNP004429R1 play during replacement planning?	Preserve the board execution that handles communication work separately from PM150, and verify the host controller recognizes that arrangement.
Which PM150 relationship should be recorded before removing CI547 3BNP004429R1?	Capture the host processor revision, rack position, communication load and database relationship before disturbing the board.
How should node identity be restored for CI547 3BNP004429R1?	Retain the approved network address and controller database, then compare the active peer list after startup.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

CI547 3BNP004429R1 service controls and maintenance logic

Identify the bus execution

Confirm MB300 or MB300E media and network design.

Record the host processor

Capture PM150 relationship, rack slot and board revision.

Back up node data

Retain addresses, peers and controller database.

Inspect bus connections

Check media, shields, connectors and termination.

Start with diagnostics

Verify board recognition before enabling peer traffic.

Prove expected communication

Confirm stable bus status and required controller peers.

Additional technical questions

What bus-media checks apply when installing CI547 3BNP004429R1?	Inspect the installed MB300 media, connectors, shielding and termination against the approved network drawing.
How should revision compatibility be assessed for CI547 3BNP004429R1?	Compare the complete 3BNP004429R1 identity, hardware revision, firmware and AC450/AC460 execution before approval.
How can a network problem involving CI547 3BNP004429R1 be isolated?	Separate carrier power, board diagnostics, bus media, node configuration and controller-database causes before replacing peer devices.
What is the acceptance test for CI547 3BNP004429R1?	Require controller recognition, stable bus status, expected peer communication and no new PM150 or communication diagnostics.

Technical notes

Exact identity	CI547 3BNP004429R1
Documented function	MasterBus 300 Communication Board with Slave Processor
Technical evidence	ABB Advant Master AC 450 installed-base parts documentation
Verification boundary	Confirm the complete marking and installed Advant Master AC 450 / AC 460 and MasterBus 300 arrangement before selection

CI547 3BNP004429R1 source record and supported references

Manufacturer reference	ABB Advant Master AC 450 installed-base parts documentation
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references and contact

Recommended product	ABB DSQC406 3HAC035301-001
Recommended product	ABB DSQC604 3HAC12928-1
Recommended product	ABB DSQC608 3HAC12934-1
Recommended product	ABB DSQC611 3HAC13389-2
Recommended product	ABB DSQC652 3HAC025917-001

Discuss the exact marking and installed relationship with Apter Power.
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