IS215VCMIH2CC

VME Communications Interface Board

Complete product-page dossier for buyer review, technical screening and quotation preparation.

01 Product overview

IS215VCMIH2CC coordinates VME-rack communication, deterministic timing and configured redundant data paths in a Mark VI turbine-control system.

Rack communications hub

Coordinates controller, VME rack and I/O data paths for the installed Mark VI architecture.

Timing coordination

Distributes communication timing needed for deterministic controller and I/O exchange.

Redundancy supervision

Helps expose loss or mismatch on configured R, S and T communication paths.

IS215VCMIH2CC is a VCMI-family communications interface board for GE Mark VI VME racks. The H2CC suffix is retained as the complete hardware identity and is not reduced to a generic VCMI reference.

Its service role depends on rack position, controller relationship, IONet connections, project configuration and the installed redundancy architecture. A mechanically similar VCMI revision is not automatically interchangeable.

Before removal, export diagnostics and record rack, slot, cable and network assignments. After installation, verify controller communication, I/O data exchange, time synchronization and redundant-path agreement.

02 Buyer identity

Manufacturer part number	IS215VCMIH2CC
Product type	VME Communications Interface Board
System / platform	GE Mark VI turbine control
Lifecycle statement	Installed-base Mark VI VME communications board

03 Published technical data

Network role	IONet and controller data exchange
Rack interface	VME backplane

Supported architecture	Simplex or TMR Mark VI
Redundancy relationship	R, S and T rack communication as configured

Clock function	System timing distribution
Status monitoring	Controller and I/O communication health

04 Applications / compatibility

VME rack communication

Exchange controller and I/O data through the installed rack.

Mark VI network coordination

Maintain deterministic communication across configured paths.

TMR communications

Supervise R, S and T paths in redundant systems.

Maintenance diagnostics

Use board and network events to isolate communication faults.

05 Product precautions

Export the Toolbox configuration

Retain rack and network assignments.

Record every cable position

Label communication and backplane relationships.

Preserve rack slot

Do not move the board to an unconfigured location.

Control electrostatic discharge

Handle the VME board by approved procedures.

Verify redundant paths separately

Check R, S and T health where fitted.

Confirm time and data exchange

Require stable controller and I/O communication.

06 Lifecycle, available unit and technical notes

Lifecycle Status

Installed-base Mark VI VME communications board. Preserve rack slot, redundant path map and timing role, then restore one communication path at a time under the approved Mark VI procedure.

Available Unit Details

Offered reference: GE IS215VCMIH2CC. Compare the H2CC marking, VME slot, R/S/T connector population, peer destinations and timing assignments. Confirm the communications board and the separately quoted cable, transition or rack accessories in the quotation.

Technical notes

Rack-path map: Capture every communication connector, R/S/T designation and peer destination before cable removal. Timing relationship: Retain the installed clock and synchronization role rather than treating the board as an ordinary network adapter. Communication acceptance: Confirm rack recognition, path health, timing status and stable controller-to-I/O exchange.

07 Engineering FAQ

Why must the full H2CC revision of IS215VCMIH2CC be retained?	The complete suffix identifies the supplied hardware execution and prevents an unverified adjacent VCMI revision from being substituted.
Which configuration records are essential before removing IS215VCMIH2CC?	Save the Toolbox project, rack and slot assignment, network paths, cable locations and active diagnostics.
How should TMR communication be checked after fitting IS215VCMIH2CC?	Verify each configured R, S and T path independently, then confirm agreement under normal controller operation.
What does a healthy rack but missing I/O data suggest for IS215VCMIH2CC?	Check IONet cabling, project assignments, board recognition and the destination I/O interfaces before replacing field devices.

Why is rack position important for IS215VCMIH2CC?	The backplane slot and configured communication role determine how the controller recognizes and uses the board.
Which timing evidence should be retained for IS215VCMIH2CC?	Record normal synchronization status and the absence of time-distribution or communication events.
How should electrostatic risk be controlled for IS215VCMIH2CC?	Use grounded handling equipment, approved packaging and cabinet power-isolation procedures.
Which R/S/T communication and timing results confirm IS215VCMIH2CC?	Require correct rack identity, healthy configured paths, stable timing status and verified controller-to-I/O exchange without persistent diagnostics.

08 Quotation and handover

Match the complete marking	Match IS215VCMIH2CC, revision and visible labels.
Review the reference	Send the complete IS215VCMIH2CC marking, label photos and required quantity.
Confirm the offer	Review the offered revision, condition, included items and documents for IS215VCMIH2CC.
Arrange dispatch	Confirm quantity, dispatch date and delivery details for IS215VCMIH2CC in the quotation.

09 Separate verified listings

Emerson PR6423/10R-010 CON021
Eight-Millimetre Eddy-Current Sensor and Converter Assembly; separate listing, not an automatic substitute.

HIMA Z7127
Eight-Channel Analog Input Front Cable Plug; separate listing, not an automatic substitute.

Request current photographs and written quotation details from Apter Power.
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Quote the complete reference: IS215VCMIH2CC