IS215UCVEH2AF

General Electric / Mark VI UCVE VME Controller Board

GE IS215UCVEH2AF is offered as a mark vi ucve vme controller board for the appropriate installed GE control system. Confirm the complete marking and system configuration before replacement.

Product identity and system role

IS215UCVEH2AF is offered as a UCVEH2-family controller board for the GE Mark VI turbine-control platform. The controller occupies a single VME slot and performs the processing and communication functions assigned to the configured control core.

The GE UCVEH2 description specifies a 300 MHz Intel Celeron, 32 MB of DRAM and a 10/100BaseTX Ethernet interface for the Unit Data Highway. COM1 is reserved for diagnostics and COM2 supports serial Modbus communication. These are base-family facts; the offered AF execution and installed software must be matched independently.

A controller exchange requires its rack slot, project database, network settings, software release and any associated I/O configuration. Save the existing controller state and compare diagnostics, communication and affected control functions after the approved commissioning sequence.

Verified technical characteristics

Controller family	UCVEH2
Control platform	Mark VI
Mechanical format	Single-slot VME controller
Base-family processor	300 MHz Intel Celeron
Base-family DRAM	32 MB
Base-family primary network	10/100BaseTX Ethernet to UDH
Base-family serial ports	COM1 diagnostics; COM2 serial Modbus

Engineering context

Mark VI control core

Serve as a configured controller in a matching turbine-control VME rack.

Unit Data Highway

Communicate through the documented UCVEH2 Ethernet interface in the approved UDH network.

Serial integration

Use the configured COM2 Modbus path where the project design calls for it.

Controller replacement

Restore a matching UCVE execution with the correct software and control database.

Configuration and verification

Record the full marking: Retain IS215UCVEH2AF and all visible revision markings.

Back up the controller: Preserve the configured application, network and diagnostic settings.

Check the VME rack: Match slot, power and connector condition before insertion.

Review communication: Document UDH and serial-port assignments before exchange.

Control stored energy: Use approved turbine-control and electrical isolation procedures.

Test the application: Verify controller diagnostics and affected I/O after restart.

Selected engineering questions

What must be backed up before replacing IS215UCVEH2AF?
Save the project database, controller application, software release, network identity and relevant diagnostic records.

How can a UDH fault involving IS215UCVEH2AF be separated from a controller fault?
Check physical link, switch port, IP assignment and peer communications before changing the board.

Which serial interface is intended for Modbus on IS215UCVEH2AF?
The UCVEH2 base description assigns COM2 to serial Modbus; confirm the installed project configuration.

Does the UCVEH2 base specification prove every AF revision of IS215UCVEH2AF is interchangeable?
No. Compare the complete board marking, rack and approved software/hardware compatibility record.

What should be checked if IS215UCVEH2AF does not boot in the rack?
Check VME power, slot seating, controller status indicators and the approved startup diagnostics.

How should an application mismatch on IS215UCVEH2AF be resolved?
Restore only the project-approved control database and verify the matched I/O and network configuration.

Why is the VME slot relevant to IS215UCVEH2AF?
The single-slot controller must mate with the rack connector and assigned control architecture; physical fit alone is insufficient.

What constitutes commissioning evidence for IS215UCVEH2AF?
Document startup diagnostics, network connections, control-state behavior and affected I/O acceptance checks.

Source and application boundary

GE GEH-6421M, Mark VI Turbine Control System Guide, Volume II, UCVEH2 controller section.

GEH-6421M describes the UCVEH2 base controller. Processor, memory and interface entries are family references; confirm AF suffix and installed release applicability before ordering.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

General Electric DS3800NOAA1F1D	General Electric DS200FSAAG2ABA DS2020FECNRX010A
General Electric IC697VAL314	General Electric IS210AEBIH1B IS210AEBIH1BED
General Electric DS3820PS7A1B1C	

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Send the complete model and installed-system details when requesting a quotation.