IS200VAICH1DAA IS200VAICH1D

Analog Input and Output VME Board

Engineering reference for system fit, interface boundaries and exact-model technical decisions.

01 System position

Installed role Analog Input and Output VME Board	**Host platform** GE Mark VI turbine control
Evidence source GE Mark VI Turbine Control System Guide GEH-6421M	**Identity boundary** Use the complete marking and explicitly documented family relationships only.

02 Functional path

Field / companion side	Installed sensor, load, network, terminal or actuator
Exact product role	IS200VAICH1DAA IS200VAICH1D - Analog Input and Output VME Board
Host-system side	GE Mark VI turbine control
Decision output	Verified interface, configuration and acceptance boundary

03 Selection-critical relationships

Analog inputs	Map every configured path; the documented reference is 20.
Analog outputs	Map every configured path; the documented reference is 4.
Input signal families	Design the connected circuit around Voltage and current according to terminal-board configuration; verify at the installed terminals.
Output signal family	Design the connected circuit around Controlled analog current outputs; verify at the installed terminals.
Conversion role	Use A/D and D/A processing only within the documented conversion role boundary.
Terminal-board relationship	Use TBAI analog terminal board family only within the documented terminal-board relationship boundary.

04 Engineering data map

Electrical / signal domain

Analog inputs	20
Analog outputs	4
Input signal families	Voltage and current according to terminal-board configuration

Interface / processing domain

Output signal family	Controlled analog current outputs
Conversion role	A/D and D/A processing
Terminal-board relationship	TBAI analog terminal board family

Environmental / configuration domain

Rack interface	VME backplane
Redundancy support	Simplex or TMR by project architecture

05 Diagnostic interpretation matrix

Observed issue involving Analog inputs	Compare the installed condition with 20; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Analog outputs	Compare the installed condition with 4; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Input signal families	Compare the installed condition with Voltage and current according to terminal-board configuration; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Output signal family	Compare the installed condition with Controlled analog current outputs; isolate field, interface and configuration causes before replacing hardware.

Observed issue involving Conversion role	Compare the installed condition with A/D and D/A processing; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Terminal-board relationship	Compare the installed condition with TBAI analog terminal board family; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Rack interface	Compare the installed condition with VME backplane; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Redundancy support	Compare the installed condition with Simplex or TMR by project architecture; isolate field, interface and configuration causes before replacing hardware.

06 Engineering evidence record

Complete marking	IS200VAICH1DAA IS200VAICH1D plus visible revision and label details
Installed relationship	Check the H1DAA and H1D markings, VME slot, TBAI execution, cable positions and assigned analogue channels.
Companion boundary	Restore input and output configuration by channel and verify the fitted TBAI execution before enabling any analogue command loop.
Configuration authority	Approved project backup, drawing or validated application record
Acceptance evidence	Recorded readings, diagnostic state and controlled functional result

07 Source and applicability ledger

Manufacturer reference	GE Mark VI Turbine Control System Guide GEH-6421M
Exact-model scope	IS200VAICH1DAA IS200VAICH1D
System scope	GE Mark VI turbine control
Use limit	Family values apply only where the manufacturer relationship is explicit; verify the installed execution.

08 Separate verified listings

GE IC220PBI002	VersaPoint PROFIBUS-DP Network Interface Module; separate listing, not an automatic substitute.
GE IC676PBI008	Eight-Point IP67 PROFIBUS Digital Input Block; separate listing, not an automatic substitute.
GE IS200TBTCH1CBB	Thermocouple Input Terminal Board; separate listing, not an automatic substitute.
GE IS200TRLYH1BED IS200TRLYH1B	Relay Output Terminal Board; separate listing, not an automatic substitute.
GE IS200VCRCH1BBB	Discrete Input and Relay Output VME Board; separate listing, not an automatic substitute.
GE IS200VSVOH1BDC IS200VSVOH1B	Servo Control VME Board; separate listing, not an automatic substitute.
GE IS200VVIBH1CAB IS200VVIBH1C	Vibration Monitoring VME Board; separate listing, not an automatic substitute.
GE IS215VCMIH2CC	VME Communications Interface Board; separate listing, not an automatic substitute.

Discuss system fit and exact marking with Apter Power.
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Quote the complete reference: IS200VAICH1DAA IS200VAICH1D