GE IS200PAICH1B

Complete Product Information

GE IS200PAICH1B is a analog input and output board for GE Mark VIe analog I/O system.

01 Signal-path identity and channel data

Board function	Analog input and output
Analog inputs	10
Analog outputs	2
Output range	0-20 mA
Control family	Mark VIe
Signal role	Field analog I/O interface
Hardware identity	PAICH1B

02 Functional role and system position

IS200PAICH1B is identified as the Mark VIe analog I/O hardware providing ten analog inputs and two analog outputs. It connects configured field loops with the controller through the installed termination arrangement.

Input type, output range, loop power and terminal assignment depend on the companion hardware and application configuration. The full channel map therefore remains part of the replacement identity.

Before removal, capture channel assignments, signal types, polarity, shielding and baseline readings. Recommission with controlled input injection and output checks while comparing controller values with calibrated instruments.

03 Engineering highlights

Mixed-signal coordination

Connects configured analog sensing and command loops with the Mark VIe controller.

Channel-map discipline

Signal type, loop power, polarity and terminal assignment remain part of the installed identity.

Bidirectional verification

Acceptance combines calibrated input injection with controlled output checks.

04 Evidence and applicability boundary

The H1B identity is used as the offered analog I/O board marking; the documented platform function is 10 analog inputs and 2 analog outputs, with terminal-board and loop details installation dependent.

05 Field-loop integration map

Installed-system service

Maintain the exact IS200PAICH1B identity when replacing the fitted analog input and output board.

Configuration retention

Preserve application records, channel maps or hardware settings that belong to the installed system.

Controlled troubleshooting

Use the approved system diagnostics to separate module, wiring and companion-hardware faults.

Acceptance testing

Return the system to service only after representative functions match the recorded baseline.

06 Installation and protection controls

Confirm the full marking

Match IS200PAICH1B and every visible revision or assembly identifier.

Preserve the as-found map

Record connectors, terminals, orientation and companion hardware before removal.

Apply the approved isolation

Use the complete system maintenance procedure and prove the required isolation.

Protect the hardware

Use ESD control and prevent mechanical load on connectors or board surfaces.

Restore configuration deliberately

Reapply only the approved installed settings, wiring and application records.

Retain acceptance evidence

Keep label photographs, test results, deviations and responsible sign-off.

07 Technical notes

Installation relationship	IS200PAICH1B belongs to the configured GE Mark VIe analog I/O system hardware chain; the complete installed relationship governs replacement.
Protection	Follow the approved isolation, ESD and system-specific commissioning procedure before handling IS200PAICH1B.
Technical reference	GE Mark VIe lifecycle references and exact-model industrial records. The H1B identity is used as the offered analog I/O board marking; the documented platform function is 10 analog inputs and 2 analog outputs, with terminal-board and loop details installation dependent.

08 Installed-system decision points

How should the ten inputs and two outputs of IS200PAICH1B be distinguished during replacement?	Create a direction-specific channel map showing each terminal, signal type, loop-power arrangement and field-device tag. Keep input and output circuits separate during disconnection and testing.
What signal-type checks are required before connecting IS200PAICH1B?	Confirm the configured range, polarity and loop-power source for each analog point from the approved drawing and controller record. Do not assume that all twelve channels use the same electrical arrangement.
Which termination relationship must be preserved for IS200PAICH1B?	Record the connected terminal hardware, cable identity and controller-side channel mapping. Restore the same physical and logical path before applying field signals or output commands.

09 Channel commissioning and acceptance matrix

Channel identity	Reconcile physical terminals, logical channels and field-device tags before energization. Exact model: IS200PAICH1B.
Electrical path	Confirm signal direction, polarity, loop power, return and shield treatment from the loop drawing. Exact model: IS200PAICH1B.
Controlled test	Inject or command one documented channel at a time and compare measured and controller values. Exact model: IS200PAICH1B.
Final proof	Retain channel-by-channel results and the stable diagnostic state. Exact model: IS200PAICH1B.

10 Published technical data - continuation

Documented platform	GE Mark VIe analog I/O system
Exact-model boundary	Use the complete marking and every visible revision or assembly identifier.
System-data boundary	The H1B identity is used as the offered analog I/O board marking; the documented platform function is 10 analog inputs and 2 analog outputs, with terminal-board and loop details installation dependent.

11 Product-specific engineering FAQ

How should the ten inputs and two outputs of IS200PAICH1B be distinguished during replacement?

Create a direction-specific channel map showing each terminal, signal type, loop-power arrangement and field-device tag. Keep input and output circuits separate during disconnection and testing.

What signal-type checks are required before connecting IS200PAICH1B?

Confirm the configured range, polarity and loop-power source for each analog point from the approved drawing and controller record. Do not assume that all twelve channels use the same electrical arrangement.

Which termination relationship must be preserved for IS200PAICH1B?

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How should shielding and grounding be reviewed for IS200PAICH1B?

Follow the project loop drawings for shield drains, signal returns and cabinet earth. Remove unintended parallel ground paths that could affect low-level input accuracy.

How can an analog-input fault be isolated with IS200PAICH1B?

Compare the field-device signal, loop power, terminal reading, board diagnostics and controller value. Use a calibrated source at the approved point to determine whether the error is in the field loop or input path.

How should the analog outputs of IS200PAICH1B be tested?

Command controlled values within the approved 0-20 mA range, measure the loop current and confirm the corresponding field-device response. Test one output at a time and retain the result.

What calibration evidence should be retained for IS200PAICH1B inputs?

Record the injected reference values, controller readings, channel configuration and measured error at the selected test points. Keep the calibration source identity with the maintenance record.

What complete acceptance test is appropriate for IS200PAICH1B?

Verify representative inputs and both outputs, confirm diagnostics and channel mapping, then compare the controller and field responses with the approved baseline before returning automatic control.

12 Lifecycle and supply boundary

The current manufacturing and manufacturer-support phase of IS200PAICH1B is unconfirmed. Preserve its exact installed identity when planning service.

Offered reference	GE IS200PAICH1B
Included items	the IS200PAICH1B analog input and output board; companion hardware and accessories only when itemized in the quotation
Identity check	Compare the complete marking, revision and connections with available unit photographs and the installed record.

13 Commissioning handover record

Channel and field-device map	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.
Loop electrical checks	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.
Injected or commanded values	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.
Controller and field response	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.

14 Enquiry workflow

Review your reference	Send the complete IS200PAICH1B marking, installed-position photographs and required quantity.
Confirm the offer	Confirm the offered revision, condition, included items and documented system fit in the quotation.
Arrange dispatch	Agree quantity, dispatch date and delivery details in the quotation.

15 Related product references

Recommended model	GE IS220PSVOH1B
Recommended model	GE IS200STTCH2A
Recommended model	GE IS230SNAOH2A
Recommended model	GE IS220STAOH2A
Recommended model	GE IS220PTCCH2B

Confirm the complete IS200PAICH1B marking, installed relationship and required quantity with Apter Power.

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