GE IS200EISBH1AAB

Exciter ISBus Communication Board

GE IS200EISBH1AAB is the EX2100 ISBus communication board linking controller DSPX functions with optical field feedback and the toolbox/keypad serial paths.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	IS200EISBH1AAB
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	2cm x 18.6cm x 12.8cm
Country of Origin	USA
Manufacturer	General Electric
Product Category	Gas Turbine Control
Spare Part Number	IS200EISBH1AAB
Weight	0.12 kg

Buyer information / Overview

EISB carries the cabinet communication boundary; it is distinct from EMIO, which handles terminal-board I/O, and ACLE/ACLA, which provide outer-loop functions and network communication.

Controller coordination
ISBus communication links the DSPX control sections in a redundant exciter.

Optical feedback reception
Field voltage and current arrive through the cabinet fiber network.

Service-interface continuity
Toolbox and keypad serial paths remain part of the controller communication arrangement.

The EISB module is positioned below DSPX in the control backplane. In a redundant system, controller sections M1, M2 and C each have their own EISB relationship. A replacement must preserve the section and optical destination map rather than treating all cabinet fibers as equivalent.

Field feedback is received through optical connections from EDCF and the relevant exciter measurement circuits. The physical isolation provided by the optical path is part of the measurement architecture. Optical voltage/current channels should be traced against the cabinet arrangement before re-seating any connection.

EISB also carries RS-232C communication between DSPX and toolbox/keypad ports through the documented backplane arrangement. A service-terminal problem and a missing optical-feedback problem involve different paths; diagnosing them separately avoids replacing unrelated I/O or application-control boards.

Controller platform reference: EX2100 controller communication. Retain the documented GE configuration.

Technical Specifications

Module width	1 slot
Module height	3U
Front optical connectors	6
Redundant controller positions	3: M1, M2 and C
Service-interface standard	RS-232C

Technical source: GE EX2100 Excitation Control User Guide GEH-6632G. The communication and form-factor information describes the EISB design. Preserve the full H1AAB board identity; fiber destinations and controller position remain installation-specific.
Apter Power product summary. Original technical pages and a field guide are available in Downloads.

Applications / Compatibility

Use EISB in its recorded EX2100 control section and backplane position below DSPX. Redundant M1/M2/C and simplex installations have different cabinet arrangements.

Its duties are communication and optical-feedback handling. Preserve the distinction from EMIO I/O processing and ACLE/ACLA network and outer-loop control.

Redundant DSPX sections
Restore the EISB path for the correct M1, M2 or C section. Compare section identity before moving fibers between otherwise similar board positions.

Field DC feedback
Trace generator-field voltage and current feedback to the assigned optical receivers. Keep the EDCF source and cabinet fiber destinations identifiable.

Toolbox service path

Investigate the RS-232C/backplane service connection separately from optical feedback. A working service session does not prove every measurement channel.

Simplex control module

Follow the simplex backplane layout with its own EISB placement. Do not reproduce the redundant rack connection count as an installation requirement.

Product Precautions

Prepare GE IS200EISBH1AAB using the following checks for its documented interface and system duty.

Identify the section

Capture the M1/M2/C or simplex position before removal.

Label optical destinations

Identify every field-feedback fiber at the source and receiving board.

Protect optical surfaces

Keep connector faces clean and avoid unsupported cable strain.

Separate service diagnostics

Check toolbox/keypad communication independently of the feedback channels.

Preserve backplane seating

Inspect the board edge and connector alignment at the recorded slot.

Prove communication by duty

Verify controller coordination and the affected measurement/service paths after the exchange.

Lifecycle Status

The factory lifecycle phase of IS200EISBH1AAB is unconfirmed. It supports the EX2100 ISBus, optical-feedback and service-communication relationships of its assigned controller section.

A replacement must maintain the actual DSPX/backplane position and M1, M2 or C connection identities. EMIO field I/O and ACLE network duties remain separate board functions.

The communication board is supplied separately from DSPX, the backplane, optical cables and external service equipment.

Available Unit Details

Offered reference	GE IS200EISBH1AAB
Identity check	Request the H1AAB marking, backplane interface and all six front optical connector positions; record the cabinet section alongside those photographs.
Physical review	Connector condition and section identity are supply-review items. Toolbox/keypad access and reception of the intended optical feedback are separate functional checks to be performed in the installed control section.
Included items	one ISBus communication board; fibers, backplane and companion control boards separately listed

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Controller role	EISB coordinates communication and feedback paths; EMIO remains the terminal-board I/O processor.
Section mapping	A redundant cabinet has M1/M2/C relationships that must remain identifiable.
Different communication proofs	A working serial service session does not establish continuity of EDCF optical feedback or the correct redundant-controller section mapping.

Alternative Names

GE IS200EISBH1AAB

Frequently Asked Questions (FAQ)

1. Can a working toolbox connection prove that all optical channels of IS200EISBH1AAB are healthy?

No. The service connection and optical-feedback paths are different. Verify each affected field-feedback quantity and its destination separately from the service session.

2. Why must the controller section be recorded before removing IS200EISBH1AAB?

The redundant cabinet contains separate M1, M2 and C relationships. Moving a connection to the wrong section can change the receiving path even when the connector fits.

3. Is IS200EISBH1AAB the board that processes all customer terminal-board I/O?

That is the EMIO role. EISB handles communication and optical-feedback relationships; identify the failed duty before selecting a replacement board.

4. How should missing field-current feedback be traced through IS200EISBH1AAB?

Identify the EDCF current source, its fiber route and the assigned EISB receiving path, then compare the voltage-feedback path separately. A cabinet-wide communication assumption can hide a single crossed or damaged fiber.

5. Does IS200EISBH1AAB provide the ACLE outer-loop and Ethernet functions?

No. The guide assigns outer-loop and network duties to ACLE/ACLA. Keep these roles separate when interpreting an exciter communication fault.

6. Can the redundant rack layout be copied unchanged for IS200EISBH1AAB in a simplex cabinet?

No. The simplex control module uses its own backplane arrangement. Match the actual cabinet layout rather than installing redundant-section connections by analogy.

7. Why should a missing measurement on IS200EISBH1AAB be investigated before replacing a service cable?

The optical feedback route and the RS-232C toolbox/keypad route have different functions. Identify the missing field quantity, trace its source and receiving optical path, and compare the unaffected channels before disturbing a working service connection.

8. What reveals a section-crossing error after reconnecting IS200EISBH1AAB?

Compare the labeled M1/M2/C destinations with the actual receiver section and observed feedback. Connectors that seat correctly can still carry the right signal to the wrong section; acceptance must identify both the quantity and its destination.

Downloads

The technical reference covers EX2100 controller communication. The independent field guide develops isbus section mapping and optical feedback restoration.

IS200EISBH1AAB Original Technical Reference Excerpt	Selected original manufacturer pages for the applicable interfaces and technical data. PDF · 3 pages · 59.6 KB.
IS200EISBH1AAB Installation & Commissioning Guide	ISBus Section Mapping and Optical Feedback Restoration. Rebuild the communication topology from the control section outward, keeping the service interface and field-feedback proofs independent. PDF · 2 pages · 91.8 KB.

Selected original technical pages and a separate installation guide support this product.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include IS200EISBH1AAB and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered IS200EISBH1AAB reference with the installed equipment and applicable GE documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

WhatsApp / Phone: +86 18030235313 | sales13@apterpower.com

Related product references

Separate supply references; listing does not establish interchangeability.

GE IS200TSVCH2AJE	Servo Control Terminal Board; separate supply reference
GE IS200ECTBG2ADE	Exciter Contact Terminal Board; separate supply reference

Discuss IS200EISBH1AAB and the installed application with Apter Power.
sales13@apterpower.com | +86 18030235313