HIMA F8651X

H51q Central Module

01 / PREPARATION AND PHYSICAL WORK

This field guide organizes the work for HIMA F8651X. It is an Apter Power engineering aid, not a substitute for the applicable operating manual or the approved plant work procedure.

H51q-M / H / HR application → **F8651X central module(s)** → **Single or dual I/O-bus arrangement**

Preparation decisions

01 / Read the assembly identity

Identify H51q-M, H51q-H or H51q-HR and record the actual processor population and I/O-bus arrangement.

02 / Retain the program and state

Keep the current ELOP II project, operating-system revision, station settings and active diagnostics available at the work location.

Baseline to compare before disturbance

Check	Baseline / acceptance evidence
CPU population	1 for M; 2 for H/HR in the assembly record
I/O architecture	One bus for M/H; two buses for HR
Program continuity	Retained project and restored resource agree

03 / Assess battery access

Plan central-module removal for CR2477N service. Establish the permitted process state for the exact single or redundant arrangement.

04 / Release the central module

Disconnect secured data cables, fully loosen the module screws and withdraw with the ejection lever in one continuous movement under ESD control.

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05 / Check the replacement configuration

Restore the recorded switch and jumper positions. Match the operating-system revision when inserting beside an existing central module.

06 / Rebuild the installed arrangement

Seat and secure the module, restore cables and examine the display and application state before closing the maintenance task.

Commissioning and fault-isolation logic

Run the approved test with the process in its permitted state. The expected result is the recorded acceptance condition below; no additional trip thresholds or test voltages are inferred by this guide.

Test subject	Expected evidence	If the check fails
CPU population	1 for M; 2 for H/HR in the assembly record	Resolve a mismatch in the rack plan before startup.
I/O architecture	One bus for M/H; two buses for HR	Check the documented rack and bus assignment.
Program continuity	Retained project and restored resource agree	Recover the approved project rather than an unrelated backup.
Battery service	CR2477N and maintenance trigger are accounted for	Investigate missing battery history or continuing BATI.
Paired operation	Revision agreement and intended controller state are established	Review operating-system mismatch and diagnostic messages.

Retain both the test stimulus and the observed response. Keep unsuccessful results and diagnostic messages in the work record; record the final successful test separately after the cause is resolved.

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As-left configuration	Exact module identity, occupied position and restored connection or project assignment.
Functional evidence	Results for the model-specific test subjects on page 2, including any corrected fault.
Release decision	Responsible engineering review and the approved return-to-service state; unresolved exceptions remain on hold.

Technical reference record

H41q/H51q System Catalogue, HI 800 263 E

PDF pp. 18, 35, 45-47; assembly variants, CPU replacement and battery maintenance

Related Apter Power catalog references

Catalog navigation only. These entries do not establish compatibility, substitution or approval of a changed installation.

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CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity and requested condition for a quotation.

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