Honeywell SSD-D08G-4300-51403645-400

SBHM Drive Assembly

Honeywell SSD-D08G-4300-51403645-400 is an SBHM drive assembly that combines carrier hardware marked 51403645-400 with an 8 GB SiliconDrive II PATA solid-state drive identified as SSD-D08G-4300.

H1 8 GB solid-state storage	**H2** Parallel ATA interface
H3 SiliconDrive II device family	**H4** Carrier marked 51403645-400

Functional position

1	SBHM host
2	Carrier connector and PCB
3	PATA drive interface
4	8 GB solid-state media

Verified identity and storage data

Assembly type	SBHM drive assembly
Assembly number	51403645-400
Installed drive model	SSD-D08G-4300
Drive family	SiliconDrive II
Storage medium	Solid-state drive
Capacity	8 GB
Interface	PATA

Carrier, connector and installed-system boundaries

Within an installed SBHM node, Honeywell SSD-D08G-4300-51403645-400 occupies the removable storage position and couples the labeled PATA drive to the host connector through its carrier PCB.

Remaining technical matrix

Host connection	44-pin IDE/PATA
Device selection	Master or Slave
Capacity code	08G
Series code	4300
Assembly construction	Drive mounted on a carrier PCB with retention hardware

Interface architecture

Host connector	44-pin IDE/PATA connection between the SBHM host and the drive assembly
Device selection	Master or Slave position identified on the drive label
Carrier board	PCB path between the host connector and the installed solid-state drive
Retention	Metal carrier rails and fasteners retain the drive and board as one assembly

Applicable service contexts

SBHM storage replacement

Restores the removable solid-state storage assembly in an installed SBHM configuration.

History-node maintenance

Supports controlled service of the storage element used by the Single Board History Module.

Data-preserving replacement

Allows engineers to plan backup, identity matching, and restore checks before exchanging the assembly.

Legacy spare verification

Provides a physical part-number, capacity, interface, and jumper baseline for an exact spare comparison.

03 / SERVICE CONTROLS

Handling, replacement and acceptance

1 Match both SSD-D08G-4300 and 51403645-400 before removing or installing the assembly.	**2** Back up required history data and record the installed device state before isolating the host.
3 De-energize the host and use electrostatic-discharge protection when handling the exposed carrier PCB.	**4** Record and restore the Master or Slave selection shown for the installed drive position.
5 Align the 44-pin PATA connector before insertion and stop if any contact is bent or displaced.	**6** Keep the metal carrier, fasteners, and PCB orientation unchanged during replacement.
7 Do not substitute a different capacity, interface, or 4300-series suffix without an approved system review.	**8** After installation, verify device recognition, stored-data access, and the host's normal history function before release.

Engineering decision matrix - identity and interface

Engineering question	Controlled answer
Which identifiers must match when replacing Honeywell SSD-D08G-4300-51403645-400?	The drive label must show SSD-D08G-4300 and the carrier PCB must show assembly number 51403645-400.
What capacity is installed in Honeywell SSD-D08G-4300-51403645-400?	The SiliconDrive II label identifies an 8 GB solid-state drive.
Which storage interface does Honeywell SSD-D08G-4300-51403645-400 use?	The installed drive uses a Parallel ATA interface.
How is device selection set on Honeywell SSD-D08G-4300-51403645-400?	The drive label provides Master and Slave selection positions that must match the installed host arrangement.

Data, connector and return-to-service decisions

Engineering question	Controlled answer
Why must the 51403645-400 number be checked on Honeywell SSD-D08G-4300-51403645-400?	It identifies the carrier as the intended SBHM disk-drive assembly rather than only identifying the removable storage device.
What should be preserved before Honeywell SSD-D08G-4300-51403645-400 is removed?	Preserve required data and record the host position, connector orientation, jumper selection, and as-found operating state.
Which connector inspection applies to Honeywell SSD-D08G-4300-51403645-400?	Inspect the 44-pin IDE/PATA connection for alignment, bent contacts, contamination, and full seating before power is restored.
How should Honeywell SSD-D08G-4300-51403645-400 be accepted after installation?	Confirm device recognition, expected 8 GB identity, stored-data access, and normal host history operation before return to service.

Evidence applicability

Evidence record	Applied scope
Exact-unit front and rear nameplate photographs	Supports only the exact-unit or explicitly applicable family facts used in this document.
SiliconDrive II SSD-Dxxx(I)-4300 data sheet 4300D-00DSR	Supports only the exact-unit or explicitly applicable family facts used in this document.
Honeywell System HINTS SBHM family record	Supports only the exact-unit or explicitly applicable family facts used in this document.

Related Apter Power references

Related Apter Power references	Scope note
Honeywell 51403698-100	Portfolio reference only; verify compatibility independently.
Honeywell MU-TAIH12 51304337-100	Portfolio reference only; verify compatibility independently.
Honeywell MU-PAOX03 51304672-100	Portfolio reference only; verify compatibility independently.
Honeywell 51199929-100	Portfolio reference only; verify compatibility independently.
Honeywell 51199942-300	Portfolio reference only; verify compatibility independently.
Honeywell 51401496-100	Portfolio reference only; verify compatibility independently.
Honeywell 51401642-150	Portfolio reference only; verify compatibility independently.
Honeywell 51307038-100	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record Honeywell SSD-D08G-4300-51403645-400 SBHM Drive Assembly Verify the complete nameplate before installation.