

6DD1611-0AG0

Coupling Memory Module

COMPLETE PRODUCT INFORMATION

It supplies dual-bus shared RAM so multiple SIMADYN D CPU modules can exchange configured process and communication data.

- Provides two megabytes per bus
- Connects to the L bus and C bus
- Includes integrated bus termination
- Supports battery-backed coupling data

VERIFIED IDENTITY

Order number	6DD1611-0AG0	Module designation	MM4 coupling memory module
Purpose	Data exchange between multiple CPU modules	Bus connections	L bus and C bus
Memory capacity	2 x 2 MB	Memory allocation	2 MB per bus

Official source: Siemens SIMADYN D Hardware Manual
Publication: Edition 04.2011 / 12.2004

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TECHNICAL DATA

Order number	6DD1611-0AG0	Module designation	MM4 coupling memory module
Purpose	Data exchange between multiple CPU modules	Bus connections	L bus and C bus
Memory capacity	2 x 2 MB	Memory allocation	2 MB per bus
System-fault relay	Provided	Power-loss backup	Via the rack 3.4 V backup battery
Bus termination	Integrated for C bus and L bus	Installation position	Between the first and second CPU modules
Use condition	Required when multiple CPUs exchange data through coupling memory		

APPLICATIONS & SYSTEM COMPONENTS

Multi-CPU data exchange	Exchanges configured data between CPU modules.
SIMADYN coupling-memory service	Maintains the shared-memory path on both backplane buses.
Shared communications access	Supports multiple CPUs using an assigned CS7 serial interface.
MM4 module replacement	Restores the exact high-capacity coupling-memory position.

- SIMADYN D module rack
- rack 3.4 V backup battery
- first and second CPU modules
- configured coupling-memory connections

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PRECAUTIONS & ENGINEER FAQ

PRODUCT PRECAUTIONS

- Verify the complete 6DD1611-0AG0 marking and the assigned SIMADYN D digital control system position before work.
- Isolate all applicable power and shared I-bus and C-bus coupling-memory data field energy before disconnection.
- Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- Restore power in a controlled sequence and review module, rack and host diagnostics.
- Place the connected multi-cpu data exchange process in the approved maintenance state.
- Record every connector, conductor, address, jumper and project identity before removal.
- Confirm the installed SIMADYN D module rack and first and second CPU modules against the approved system record.
- Prove the intended simadyn coupling-memory service function and retain the final acceptance result.

ENGINEER FAQ — PART 1

1	Why is Siemens 6DD1611-0AG0 installed between CPU modules?	The MM4 coupling memory must occupy a slot between the first and second CPUs so the documented multi-CPU data path is maintained.
2	How much memory does 6DD1611-0AG0 provide?	It provides 2 x 2 MB of RAM, with 2 MB allocated to each of the L bus and C bus.
3	Which backplane buses connect to 6DD1611-0AG0?	The MM4 connects to both the SIMADYN D L bus and C bus.
4	What battery dependency must be checked for 6DD1611-0AG0?	Power-loss data backup uses the rack 3.4 V backup battery, so battery condition and replacement history must be verified.

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ENGINEER FAQ & RELATED PRODUCTS

1	What termination function is integrated in 6DD1611-0AG0?	The module includes termination for both the C bus and L bus; preserve the intended rack topology.
2	When is 6DD1611-0AG0 required in a SIMADYN D rack?	It is required when multiple CPU modules exchange configured data through coupling memory or share an assigned CS7 serial interface.
3	What does the system-fault relay on 6DD1611-0AG0 support?	It provides the documented fault-signaling function for the coupling-memory arrangement and must be included in diagnostic checks.
4	How should 6DD1611-0AG0 be accepted after replacement?	Verify battery backup, both bus connections, CPU communication and configured shared-data transfers without system-fault indications.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 3500 42M SIL2 09 01	Related industrial automation product
02	Bently Nevada 330130 070 00 05	Related industrial automation product
03	Bently Nevada 330130 040 03 00	Related industrial automation product
04	Bently Nevada 330130 035 00 05	Related industrial automation product
05	Bently Nevada 330130 080 13 05	Related industrial automation product
06	Bently Nevada 330130 046 00 06	Related industrial automation product
07	Siemens 6SL3985 6TM00 0AA0	Related industrial automation product
08	Bently Nevada 330525 00	Related industrial automation product

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