# Siemens 6DD1611-0AD0

## MM11 Coupling Memory Module

A SIMADYN D MM11 coupling memory module that provides shared RAM for data exchange between multiple CPU modules in one subrack.

## Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

## Safe-work boundary

| | |
|---|---|
| **Identify**<br>Match the complete model and every suffix or secondary code. | **Isolate**<br>Apply the plant-approved electrical and process isolation procedure. |
| **Preserve**<br>Back up configuration and photograph all connections. | **Control**<br>Use ESD protection and revision-controlled documentation. |

## Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

**Verification focus**

- Siemens
- 6DD1611-0AD0
- MM11 coupling memory
- Multi-CPU subrack use

# Readiness checklist

| | |
|---|---|
| Exact identity | Siemens 6DD1611-0AD0 matches the work order and physical unit |
| System position | Rack, slot and functional assignment are recorded |
| Configuration | Parameters, firmware or project data are backed up when applicable |
| Connections | Every cable, terminal, jumper and shield is labeled |
| Condition | Connector, board and packaging condition are inspected |
| Test plan | Expected states and acceptance evidence are agreed |

## Interface preparation

| | |
|---|---|
| L bus | Connected |
| C bus | Connected |
| CPU data exchange | Shared through module RAM |
| Configured connections | Supports configured $ connections and coupling-memory exchange |
| CS7 access | Supports cases where multiple CPUs access a CS7 serial interface |
| Backplane slot | Located between the first and second CPU |

### Interface acceptance record

- L bus: Connected
- C bus: Connected
- CPU data exchange: Shared through module RAM
- Configured connections: Supports configured $ connections and coupling-memory exchange

03 / INSTALLATION SEQUENCE

# Controlled replacement workflow

| | |
|---|---|
| 1 | Confirm isolation and absence of hazardous energy |
| 2 | Compare old and replacement identities and revisions |
| 3 | Photograph and label all connections |
| 4 | Remove the existing module using ESD-safe handling |
| 5 | Inspect slot, connector, grounding and cooling path |
| 6 | Install the exact replacement without forcing connectors |
| 7 | Restore cables, jumpers and settings from the controlled record |
| 8 | Perform a final visual and continuity check before energization |

**STOP POINT**

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

## Configuration control

- Memory size: 2 x 64 KB
- Bus connections: L bus and C bus
- Required context: More than one CPU in a subrack requiring data exchange
- Slot rule: Any slot between the first and second CPU module

# Staged return to service

| Stage | Action | Acceptance |
|---|---|---|
| Stage 1 | Visual inspection and isolation release | Expected controlled result |
| Stage 2 | Apply control power under observation | Expected controlled result |
| Stage 3 | Confirm module recognition or status | Expected controlled result |
| Stage 4 | Verify communication and affected signal paths | Expected controlled result |
| Stage 5 | Exercise the documented function | Expected controlled result |
| Stage 6 | Archive measured results and as-left configuration | Expected controlled result |

## Product-specific acceptance focus

**1**

Back up the project containing coupling-memory and $ connections.

**2**

Inspect L-bus and C-bus backplane contacts before installation.

**3**

Verify multi-CPU data exchange after the controlled restart.

**4**

Archive the final slot map, project version and functional-test record.

### Release evidence

- Back up the project containing coupling-memory and $ connections.
- Inspect L-bus and C-bus backplane contacts before installation.
- Verify multi-CPU data exchange after the controlled restart.
- Archive the final slot map, project version and functional-test record.

# Fault isolation and final record

| | |
|---|---|
| 1 | Unexpected state: stop and capture evidence |
| 2 | Recheck identity, power, slot and connectors |
| 3 | Compare configuration and revision records |
| 4 | Test surrounding system before condemning the module |
| 5 | Restore a safe state and document the outcome |

## Apter Power handover record

| | |
|---|---|
| **Model identity** | Keep the complete Siemens model code and every suffix in purchasing, installation and acceptance records. |
| **Verification boundary** | Confirm the physical nameplate, installed position and revision-controlled project documents before field work. |
| **Apter Power support** | Use the contact details and Apter Power website links in this document for product and sourcing support. |

| Related Apter Power products | Exact product page |
|---|---|
| Siemens 6DS1211-8AA | View Siemens 6DS1211-8AA |
| Siemens 6DS1220-8AA | View Siemens 6DS1220-8AA |
| Siemens 6DS1223-8AA | View Siemens 6DS1223-8AA |
| Siemens 7UM5111-4CB01-0BB0/JJ | View Siemens 7UM5111-4CB01-0BB0/JJ |

Commissioning support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com

**Source and identity trace**

- Exact identity: Siemens 6DD1611-0AD0
- Siemens SIMADYN D Hardware, Edition 03/2001, section 4.1, MM11 6DD1611-0AD0