

# Siemens

## 6DD1610-0AG1

### MS41 Memory Submodule

Siemens 6DD1610-0AG1 is the SIMADYN D MS41 memory submodule with a 16-bit organization, 512 KB EPROM and 2 KB EEPROM.

#### System position

|                                                   |                                               |                                                        |                                                                   |
|---------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------|
| <div>Exact identity</div> <div>6DD1610-0AG1</div> | <div>System family</div> <div>SIMADYN D</div> | <div>Functional role</div> <div>Memory Submodule</div> | <div>Release basis</div> <div>Recorded test and diagnostics</div> |
|---------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------|

#### Keep the hardware and configuration identities together

Siemens 6DD1610-0AG1 retains the MS41 program-memory position in a SIMADYN D system, combining 512 KB EPROM capacity with 2 KB EEPROM data storage.

| IDENTITY / RESOURCE | DOCUMENTED VALUE      |
|---------------------|-----------------------|
| Exact article       | 6DD1610-0AG1          |
| Product family      | SIMADYN D             |
| Submodule type      | MS41 memory submodule |
| Organization        | 16 bit                |
| EPROM capacity      | 512 KB                |
| EEPROM capacity     | 2 KB                  |

Technical evidence record: Siemens SiePortal exact product record for 6DD1610-0AG1; conflicting user-supplied PDF rejected because it

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# Interfaces and integration

**Define the installed role**

Siemens 6DD1610-0AG1 retains the MS41 program-memory position in a SIMADYN D system, combining 512 KB EPROM capacity with 2 KB EEPROM data storage.

|                |                       |
|----------------|-----------------------|
| Exact article  | 6DD1610-0AG1          |
| Product family | SIMADYN D             |
| Submodule type | MS41 memory submodule |

**Map the host relationship**

The complete 6DD1610-0AG1 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

|              |                                     |
|--------------|-------------------------------------|
| Host         | SIMADYN D                           |
| Primary role | the MS41 memory function            |
| Acceptance   | Diagnostics and functional response |

## Interface control matrix

| CONTROL BAND  | VERIFICATION RECORD                          |
|---------------|----------------------------------------------|
| Identity      | Exact model and complete label               |
| Mechanical    | Form, seating and retention                  |
| Electrical    | Power, field wiring and protective earth     |
| Communication | Address, network and companion configuration |
| Configuration | Switches, parameters, project and revision   |
| Release       | Controlled test with retained result         |

**Configuration continuity**

Retain the recorded SIMADYN D position, connected interfaces and configuration baseline.

**Acceptance evidence**

Release 6DD1610-0AG1 only after diagnostics and a controlled functional result are recorded.

## Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

| PARAMETER       | VALUE                 |
|-----------------|-----------------------|
| Exact article   | 6DD1610-0AG1          |
| Product family  | SIMADYN D             |
| Submodule type  | MS41 memory submodule |
| Organization    | 16 bit                |
| EPROM capacity  | 512 KB                |
| EEPROM capacity | 2 KB                  |

| PARAMETER             | VALUE                                |
|-----------------------|--------------------------------------|
| Lifecycle             | End of product lifecycle             |
| Product class         | Custom / order-engineered spare part |
| Quantity unit         | 1 piece                              |
| Siemens product group | 4230                                 |
| Siemens catalog       | ST9.DA99T                            |
| Export classification | ECCN EAR99H / AL N                   |

### Identity decision

Accept only the complete 6DD1610-0AG1 marking and the recorded hardware execution.

### Host decision

Confirm the receiving SIMADYN D position and every companion component.

### Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

### Release decision

Record diagnostics and a controlled test of the MS41 memory function before handover.

## Engineering boundary

Use 6DD1610-0AG1 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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# Controls and service logic

**SIMADYN D program memory**

Holds the approved program image in the 512 KB EPROM area.

**Retained parameter data**

Uses the stated 2 KB EEPROM area within the matched MS41 execution.

**Legacy system recovery**

Supports exact-memory replacement after contents and host identity are verified.

**Controlled configuration transfer**

Keeps the archived image, submodule identity and receiving hardware synchronized.

## Service decision path

| STEP        | REQUIRED OUTCOME                                        |
|-------------|---------------------------------------------------------|
| 1. Identify | Read 6DD1610-0AG1 and all companion markings            |
| 2. Compare  | Host, position, connections, settings and revision      |
| 3. Install  | Restore wiring, shielding, retention and protection     |
| 4. Verify   | Review diagnostics and execute controlled function test |

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# Engineering decisions

## What is Siemens 6DD1610-0AG1?

It is the SIMADYN D MS41 memory submodule.

## How is Siemens 6DD1610-0AG1 organized?

The exact Siemens record specifies a 16-bit organization.

## How much EPROM does Siemens 6DD1610-0AG1 provide?

The MS41 provides 512 KB of EPROM.

## How much EEPROM does Siemens 6DD1610-0AG1 provide?

The MS41 provides 2 KB of EEPROM.

## Which system family uses Siemens 6DD1610-0AG1?

The article belongs to the SIMADYN D product family.

## What must be archived before replacing Siemens 6DD1610-0AG1?

Archive the approved memory image, retained data and receiving-hardware record.

## Related Apter Power pages

[Siemens 6DD1683-0CH0](#)

[Siemens 6DD1842-0AA1](#)

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