

APTER POWER PRODUCT MANUAL

6AV3503-1DB10

SIMATIC HMI OP3 Text Operator Panel

The Siemens 6AV3503-1DB10 is an OP3 text operator panel for SIMATIC control systems. It presents two lines of twenty characters and lets an operator acknowledge messages or initiate configured actions through the membrane keyboard and five function keys.

It connects over RS232 or RS485 to the supported legacy controller configuration and is intended for compact local message and status interaction rather than graphical visualization.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Two Clear Lines. Five Keys. Focused Machine Interaction.

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SCAN FOR PRODUCT & QUOTE
6AV3503-1DB10

1. Product Overview and Identity

The Siemens 6AV3503-1DB10 is an OP3 text operator panel for SIMATIC control systems. It presents two lines of twenty characters and lets an operator acknowledge messages or initiate configured actions through the membrane keyboard and five function keys.

It connects over RS232 or RS485 to the supported legacy controller configuration and is intended for compact local message and status interaction rather than graphical visualization.

Model Configuration

Field	Verified information
Complete model	6AV3503-1DB10
Manufacturer	Siemens
Product description	SIMATIC HMI OP3 Text Operator Panel

Key Features

- Exact 6AV3503-1DB10 identity retained
- Manufacturer-source data separated from unconfirmed values
- 2 lines x 20 characters
- System context: SIMATIC HMI
- Model-specific lifecycle and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Display	2 lines x 20 characters
Function keys	5
Interfaces	1 RS232 and 1 RS485
Maximum transmission rate	1.5 Mbit/s
Supply	24 V DC
Rated current	0.07 A
User data memory	128 kbyte
Front / rear protection	IP65 / IP20
Configuration	ProTool/Lite V2.51 or higher

Verification Note

Use the complete 6AV3503-1DB10 identifier. Siemens identifies 6AV3503-1DB10 as a spare part. Confirm current repair and migration availability. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It connects over RS232 or RS485 to the supported legacy controller configuration and is intended for compact local message and status interaction rather than graphical visualization.
- Maintains the documented SIMATIC HMI system role for this exact article number.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
Compact machine panels	Show short operating and fault messages.
Local status stations	Provide key-based operator interaction where graphics are unnecessary.
Legacy SIMATIC service	Replace a verified OP3 while preserving the original project.

Compatible Components

- SIMATIC controller and protocol supported by the existing OP3 project
- Correct serial cable and 24 V DC supply
- Original ProTool/Lite project and documented communications parameters

Lifecycle Status

Siemens identifies 6AV3503-1DB10 as a spare part. Confirm current repair and migration availability.

4. Installation Precautions

- Back up the ProTool project if available
- Confirm RS232 or RS485 wiring and protocol
- Do not expect graphical HMI functions from this text panel
- Verify 24 V DC polarity
- Maintain the front gasket and cabinet cutout

STOP - Verify before installation

Use the complete 6AV3503-1DB10 identifier. Siemens identifies 6AV3503-1DB10 as a spare part. Confirm current repair and migration availability. Values not published in the cited Siemens source are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens technical data sheet for 6AV3503-1DB10.

Apter Power product page

<https://www.apterpower.com/Siemens/6AV3503-1DB10>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.