

CP651-WEB-1SAP551200R0001

Web Control Panel

Operator visualization and command exchange with an AC500 V2.3 webserver

PRODUCT SNAPSHOT

BRAND

ABB

FAMILY

ABB CP600 control panel platform

PART

CP651-WEB-1SAP551200R0001

PRODUCT TYPE

Web Control Panel

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

Operator visualization and command exchange with an AC500 V2.3 webserver

1

Runs an AC500 webserver microbrowser

2

Provides an 800 by 600 touch display

3

Integrates dual switched Ethernet ports

4

Provides serial, USB and SD interfaces

SYSTEM COMPONENTS

AC500 V2.3 webserver project

18 to 32 V DC supply

Ethernet or serial network

approved panel cutout and grounding arrangement

TECHNICAL NOTE

Export the web-project and network record, isolate the DC supply, preserve serial and Ethernet assignments and verify the complete 1SAP551200R0001 identity.

TECHNICAL DATA

PARAMETER	VALUE
Order code	1SAP551200R0001
Product type	CP651-WEB
Visualization	AC500 V2.3 webserver microbrowser
Display	TFT color LED
Resolution	800 x 600 pixels
Color depth	64K colors
Input	Single-touch screen
User flash	256 MB
Removable storage	SD card slot

PARAMETER	VALUE
Recipe memory	Supported
Serial interface	RS232 / RS485 / RS422, software configurable
Ethernet	2 x 10/100 Mbit/s with integrated switch
USB	2 host ports
Expansion	2 expansion slots
Supply	18 to 32 V DC
Current at 24 V DC	1 A
Clock	Battery-backed real-time clock
Lifecycle	Classic

ENGINEERING NOTE

Export the web-project and network record, isolate the DC supply, preserve serial and Ethernet assignments and verify the complete 1SAP551200R0001 identity.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6RY1803 0CM20	Related industrial automation product	View Siemens 6RY1803 0CM20 page
Siemens C98043 A7107 L4	Related industrial automation product	View Siemens C98043 A7107 L4 page
Siemens 6RY1803 0DB02	Related industrial automation product	View Siemens 6RY1803 0DB02 page
Siemens 6SL3200 0SP06 0AA0	Related industrial automation product	View Siemens 6SL3200 0SP06 0AA0 page
Emerson PR6426 010 140	Related industrial automation product	View Emerson PR6426 010 140 page
Emerson PR6426 000 030	Related industrial automation product	View Emerson PR6426 000 030 page
Emerson PR6424 010 140	Related industrial automation product	View Emerson PR6424 010 140 page
Emerson PR6423 10R 010	Related industrial automation product	View Emerson PR6423 10R 010 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

AC500 web visualization

Runs an AC500 webserver microbrowser

Machine operator interface

Provides an 800 by 600 touch display

Dual-port Ethernet access

Integrates dual switched Ethernet ports

CP600 panel replacement

Provides serial, USB and SD interfaces

PRODUCT PRECAUTIONS

- 1 Verify the complete CP651-WEB-1SAP551200R0001 marking and its assigned ABB CP600 control panel platform position before work.
- 2 Place the connected ac500 web visualization process in the approved maintenance state.
- 3 Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4 Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5 Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.
- 6 Confirm the installed AC500 V2.3 webserver project and 18 to 32 V DC supply against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended machine operator interface function and retain the final acceptance result.

ENGINEER FAQ

Q1 Which visualization host is intended for ABB CP651-WEB-1SAP551200R0001?

The CP651-WEB microbrowser is specified for the AC500 V2.3 webserver environment.

Q2 What display format does ABB CP651-WEB-1SAP551200R0001 provide?

It uses a TFT color LED touch display with 800 x 600 resolution and 64K colors.

Q3 How much user flash is available in ABB CP651-WEB-1SAP551200R0001?

ABB documents 256 MB of user flash together with an SD card slot and recipe-memory support.

Q4 Which serial modes are configurable on ABB CP651-WEB-1SAP551200R0001?

The DB9 serial interface is software configurable for RS232, RS485 or RS422 operation.

Q5 How is Ethernet arranged on ABB CP651-WEB-1SAP551200R0001?

The panel provides two 10/100 Mbit/s Ethernet ports through an integrated switch.

Q6 Which DC supply is required by ABB CP651-WEB-1SAP551200R0001?

Use an 18 to 32 V DC source sized for the documented 1 A current at 24 V DC.

Q7 What data must be backed up before replacing ABB CP651-WEB-1SAP551200R0001?

Retain the web project, IP settings, serial mode, recipes, SD-card content and clock-dependent application data.

Q8 How is ABB CP651-WEB-1SAP551200R0001 accepted after replacement?

Verify boot status, touch calibration, web visualization, commands, alarms, Ethernet, serial links and retained recipes under controlled conditions.

SOURCE ABB CP651 Data Sheet and CP600 Operating Manual | 3ADR010245 Rev B; 3ADR010098

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