

SIEMENS

Product data sheet

6AV3503-1DB10

OP 3 OPERATOR PANEL WITH CABLE FOR CONNECTION TO SIMATIC S7, SER. CABLE FOR CONFIGURING AND CABLE FOR POWER SUPPLY DISCONTINUED AS OF 10-1-2007. SUCCESSOR: OP 73

Supply voltage	
Supply voltage	24 V DC
permissible range	+18 V to +30 V DC
Type of voltage	DC
Rated current	0.07 A
UPS connectable (serial)	No
Backup battery	
Backup battery	No
minimum backup duration	0 a
Memory	
Type	Flash / RAM
Usable memory for user data	128 KB usable memory for user data
Time of day	
Clock	
Type	Software clock, no battery backup
Configuration	
Configuration tool	ProTool / Lite Version 2.51 or higher (to be ordered separately)
1st configuration kit	ProTool / Lite
Version	Version 2.51
Configuration tool	ProTool
Type	Lite
Display	
Display type	Schwarz/Weiss
Type	Lines
Line display	LC display
Number of lines, max.	2
Characters per line (max.)	20

Character size	5 mm
graphics-enabled	No
Number of greyscale	0
Color type	Black/white
[nicht versorgt: TAK_ABT210_001_000]	
MTBF backlighting (at 25 °C)	about 200,000 hours
Expansions for operator control of the process	
DC 24 V direct key module/outputs	No
CPI module	No
Operating mode	
Operating options	Keys
Function keys, programmable	5 function keys
Connection for mouse/keyboard/barcode reader	- / - / -
external mouse	-
[nicht versorgt: TAK_ABT224_001_000]	
external keyboard	-
[nicht versorgt: TAK_ABT249_001_000]	
Touch screen	No
Design as touch screen	No
freely inscribable membrane keys	No
Numeric/alphabetical input	Yes / No
hexadecimal keyboard	No
Multi-key operation	No
SW interfaces	No
[nicht versorgt: TAK_ABT256_001_000]	
Connection for barcode reader	-
Ambient conditions	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	+/- 180 °
max. relative humidity (in %)	85 %
Temperature	
Operation (vertical installation)	0 °C to +60 °C
Operation (max. tilt angle)	0 °C to +60 °C
Transport, storage	-20 °C to +60 °C

Ambient temperature during storage, minimum	-20 °C
Ambient temperature during storage, maximal	60 °C
Degree of protection	
Front	IP65
IP (at the front)	IP65
Rear	IP20
IP (rear)	IP20
Certifications & standards	
Certifications	CE, GL, DNV, LRS, PRS, FM Class I Div. 2, UL, CSA, cULus
Type of output	
LED colors	None
Interfaces	
Interfaces	1 x RS232, 1 x RS485 (max. 1.5 Mbit/s)
Number of interfaces/parallel	0
Number of interfaces/according to RS 485	1
Transmission rate, max.	1.5 Mbit/s
PC card slot	No
CF card slot	No
USB	No
Ethernet	No
Special interfaces	No
Operating systems	
Operating system	RMOS
Product function	
Message indicator	Yes
Message system	No
Process value display (output)	No
Process value default (input)	No
Recipe administration	No
Customer-specific configuration	No
Additional software components loadable	No
other	
free hotline	Yes
Warranty period	1 a

Processor	
Processor	X86
Processor type	X86
Drives	
Design of drive/storage medium, diskette	No
Design of drive/storage medium, CD-ROM	No
Design of drive/storage medium, hard disk	No
Functionality under ProTool	
Alarm clock	No
Clean screen	No
Number of levels for password protection	10
Help system	No
Number of info. texts	0
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Number of tooltips	0
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Status/control	With SIMATIC S5/S7
Message system	
Number of operating messages	499
Memory requirement for first unit	95 byte
Memory requirement for each additional unit	10 byte
Number of fault messages	0
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
System messages	Yes
Message length (lines x characters)	2 x 20
Number of process values in messages	8
Number of acknowledgement groups	0
Message indicator	No
Acoustic feedback	No
First/last value	Yes
Message buffer	No
Recipes	

Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Number of process images	
Number of process images	40
Memory requirement for first unit	12704 byte
Memory requirement for each additional unit	102 byte
Number of variables	1024
Number of variables of Date & Time type	0
Number of variables of Internal Variable type	1024
Number of initial values	1024
Limit values	Yes
Multiplexing	No
Image elements	
Number of fields per screen	20
Number of variables per screen	792
Permanent window/default	N
Image selection via PLC	Yes
Index of screen context	Yes
Start screen configurable	Yes
Image number in the PLC	Yes
Return	Yes
Graphics object	Semigraphic
Number of icons	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of screen filling icons	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of objects per project	0
Number per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of curves per diagram	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte

Write direction	None
Online operation of trends trigger	Not possible
Limit value lines	None
Number of bars per chart	No
Direction	0
Limit value lines	No
Number of alphanumerical fields	No
Number of alphanumerical fields per screen	1024
Memory requirement for first unit	792
Memory requirement for each additional unit	122 byte
Number of numerical fields	82 byte
Number of numerical fields per screen	1024
Memory requirement for first unit	792
Memory requirement for each additional unit	122 byte
Number of date and time fields	82 byte
Memory requirement for first unit	1024
Memory requirement for each additional unit	122 byte
Number of password fields	82 byte
Memory requirement for first unit	0
Memory requirement for each additional unit	0 byte
Number of slides per image	0 byte
Memory requirement for first unit	0
Memory requirement for each additional unit	0 byte
Number of analog indicators per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of visible switches per project	0
Number of visible switches per screen	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of invisible switches per screen	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of status switches per project	0

Number of buttons for state switches per screen	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of selector switches per project	0
Number of selector switches per screen	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of decade switches per project	0
Number of decade switches per screen	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of signal lamps per project	0
Number of indicator lights per screen	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Lists	
Number of text lists per project	1000
Number of text lists per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of entries per project	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of graphics lists per project, max.	0
Number of graphic lists per image, max.	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of entries per project	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Libraries	No
Recording	
Recording/Printing	Not possible
Character sets	
Keyboard character sets	D/E/F/I/S

Languages

Number of online languages	3
Number of online languages per project	5
Memory requirement for first unit	5326 byte
Memory requirement for each additional unit	5688 byte
Configuration languages	D, GB, F, I, E
Transfer (upload/download)	
Transfer of configuration	MPI/PROFIBUS DP (where available), serial
Process coupling	
Connection to controller	S7-200, S7- 300/400 see section on "System interfaces"
S5	No
serial	No
PROFIBUS DP	No
S7-200	Yes
PPI (point-to-point)	Yes
PPI network	Yes
MPI	Yes
PROFIBUS DP	No
S7-300/400	Yes
MPI	Yes
PROFIBUS DP	No
PROFINET IO	No
TI 505	No
Point-to-point	No
Network	No
Allen Bradley (DF1)	No
Point-to-point	No
Network	No
Allen Bradley (DH485)	No
Point-to-point	No
Network	No
Mitsubishi (FX)	No
Point-to-point	No
Network	No

Telemecanique (ADJUST)	No
Point-to-point	No
Network	No
OMRON (LINK/Multilink)	No
Point-to-point	No
Network	No
Modicon (Modbus)	No
Point-to-point	No
Network	No
Functions	
Key repeat	No
TAB sequence	No
Calculating functions	Yes
Animate	No
Menu tree editor	No
Unit switchover	No
Booting via external memory	No
Service tools/configuration aids	
Touch calibration	No
Backup/restore	Yes
Simulation	No
Language tool	No
System messages Edit	No
Device switchover	No
Delta transfer	Yes
Monitoring the battery, memory,...	No
Trace (operation archive)	No
Mechanics	
Type of housing (front)	Plastic
Mounting technology	Terminal technology
Dimensions	
Front of enclosure (W x H)	148 mm x 76 mm
Mounting cutout/Device depth (W x H/D) in mm	138 mm x 68 mm / 25 mm device depth
Dimensions and weight	
Weight	

Weight

0.25 kg

Status

Apr 26, 2010