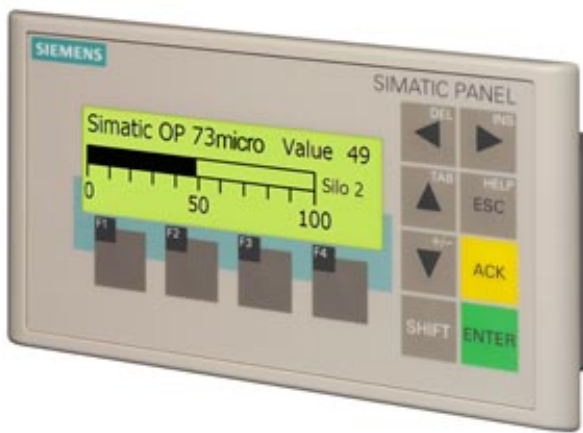


SIEMENS

Product data sheet

6AV6640-0BA11-0AX0



SIMATIC OPERATOR PANEL OP 73MICRO FOR SIMATIC S7-200 3" LC DISPLAY, BACKLIT WITH GRAPHICS CAPABILITY CONFIGURABLE WINCC FLEXIBLE 2004 MICRO HSP UPWARDS;
CONTAINS OPEN-SOURCE-SW, WHICH IS PROVIDED FREE OF CHARGE. FOR DETAILS SEE ENCLOSED CD

General system features	
Customer-specific configuration	No
Display	
Design of display	STN
Size	3"
Screen diagonal	3 in
Display type	STN, Schwarz/Weiss
Color type	Black/white
Resolution (pixels)	
Horizontal image resolution	160
Vertical image resolution	48
Resolution (WxH in pixel)	160 x 48
Backlighting	
MTBF backlighting (at 25 °C)	about 100,000 hours
Control elements	

Control elements	Membrane keyboard
Operating mode	
Operating options	Keys
Function keys, programmable	4 function keys
Connection for mouse/keyboard/barcode reader	- / - / -
external mouse	-
Keyboard	
Keys with LED	Yes
external keyboard	-
freely inscribable membrane keys	No
Number of function keys with LEDs	0
Numeric/alphabetical input	Yes / Yes
hexadecimal keyboard	Yes
Multi-key operation	Yes
Touch operation	
Touch screen	No
Design as touch screen	No
Barcode reader	
Connection for barcode reader	-
Supply voltage	
Input voltage	
Type of voltage	DC
permissible range	+20.4 V to +28.8 V DC
Supply voltage	24 V DC
Input current	
Rated current	0.1 A
I ² t-level / maximum	0.5 A ² ·s
Processor	
Processor	ARM
Processor type	ARM
Memory	
Type	Flash
Usable memory for user data	128 KB usable memory for user data

Time of day	
Clock	
Type	Software clock, no battery backup
Interfaces	
Interfaces	1 x RS485 (max. 187.5 Mbit/s)
Number of RS 485 interfaces	1
Transmission rate, max.	187.5 kbit/s
Ambient conditions	
Operating temperature	
Operation (vertical installation)	0 °C to +50 °C
Operation (max. tilt angle)	0 °C to +40 °C
Storage/transport temperature	
Transport, storage	-20 °C to +60 °C
Relative humidity	
max. relative humidity	90 %
Mounting position	
maximum permissible angle of inclination without external ventilation	+/- 80 °
Degree and class of protection	
Front	IP65, NEMA 4x, (when installed)
IP (at the front)	IP65
NEMA	NEMA 4x
Rear	IP20
IP (rear)	IP20
Standards, approvals, certificates	
Certifications	CE, GL, ABS, BV, DNV, LRS, UL, CSA, cULus, C-TICK, NEMA 4x
Operating systems	
Operating system	LINUX
Configuration	
Configuration software	
Configuration tool	WinCC flexible Micro Version 2004 SP1, HSP or higher (to be ordered separately)
2nd configuration kit	WinCC flexible Micro

Version	Version 2004 SP 1; HSP
Configuration tool	WinCC flexible
Type	Micro
Functionality under WinCC flexible	
Task planner	Yes
Help system	Yes
Number of info. texts	320
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Number of tooltips	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Status/control	Not possible
With alarm logging system (incl. buffer and acknowledgment)	
Number of messages	250
Bit messages	Yes
Analog messages	Yes
Number of bit messages	250
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Number of analog messages	5
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Number of alarm classes	32
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Telegram message procedure Alarm S	No
System messages HMI	Yes
System messages PLC	Yes
System messages, other (Sinumerik, Simotion,..)	No
Message length (in characters)	80
Number of process values per message	8
Message indicator	Yes

Acoustic feedback	No
First/last value	Yes
Message buffer	Ring buffer (n x 100 entries)
Recipes	
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Number of process images	
Process images	250
Variables	500
Limit values	Yes
Multiplexing	Yes
Structs	Yes
Image elements	
Text objects	1,000 text elements
Fields per image	20
Variables per image	20
Permanent window/default	Yes
Image selection via PLC	No
Index of screen context	No
Start screen configurable	Yes
Image number in the PLC	No
Return	Y
Graphics object	Bit maps, icons, icon (full-screen)
Icons	250
Icon (full screen)	25
Memory requirement for first unit	8600 byte
Memory requirement for each additional unit	8850 byte
dynamic objects	Bar graphs
Number per image	0

Memory requirement for first unit	1024 byte
Memory requirement for each additional unit	792 byte
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	282 byte
Number of bars per chart	5
Memory requirement for first unit	632 byte
Memory requirement for each additional unit	356 byte
Direction	vertical / horizontal
Limit value lines	Yes
alphanumeric fields	0
alphanumeric fields per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
numerical fields	0
numerical fields per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Date and time field	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Password errors	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of slides per image	0
Memory requirement for first unit	0 byte
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
visible switches per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte

hidden switches per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of status switches per project	0
Button status switches per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of selector switches per project	0
Selector switches per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of decade switches per project	0
Decade switches per image	0
Memory requirement for first unit	0 byte
Memory requirement for each additional unit	0 byte
Number of signal lamps per project	0
Signal lamps per image	0
Memory requirement for first unit	368 byte
Memory requirement for each additional unit	196 byte
Attributes for dynamic objects	
Color change	No
X/Y movement	No
Hide	Yes
Angle of turn	No
Lists	
Text lists	150
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte
Graphics list	0
Memory requirement for first unit	10 byte
Memory requirement for each additional unit	10 byte

Libraries	Yes
Security	
Number of user groups	1
Passwords exportable	Yes
Number of users	1
Data carrier support	
Multimedia Card	No
Recording	
Printer driver	-
Fonts	
Keyboard fonts	US American (English)
Languages	
Online languages	5
Languages per project	32
Memory requirement for first unit	23424 byte
Memory requirement for each additional unit	26400 byte
Configuration languages	D, GB, F, I, E, CHN "traditional", CHN "simplified", DK, FIN, GR, J, KP / ROK, NL, N, PL, P, RUS, S, CZ / SK, TR, H
Character sets	WinCC flexible Standard, symbol languages
Transfer (upload/download)	
Transfer of configuration	serial
Process coupling	
Connection to controller	for S7-200, see section on "System interfaces"
S7-200	Yes
PPI (point-to-point)	Yes
PPI network	Yes
MPI	Yes
PROFIBUS DP	No
S7-300/400	No
MPI	No
PROFIBUS DP	No
PROFINET	No
S5	No

serial	No
PROFIBUS DP	No
TI 505	No
Point-to-point	No
Network	No
Allen Bradley (DF1)	No
Point-to-point	No
Network	No
Allen Bradley (DF485)	No
Point-to-point	No
Network	No
Mitsubishi (FX)	No
Point-to-point	No
Network	No
Mitsubishi (MP4)	No
Point-to-point	No
Network	No
Telemecanique (ADJUST)	No
Point-to-point	No
Network	No
Telemecanique (Uni-Telway)	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
GE-Fanuc (SNP)	No
Point-to-point	No
Network	No

Functions

Key repeat	Yes
TAB sequence	Yes
Calculating functions	Yes
Animate	No
Menu tree editor	No
Unit switchover	No
Service tools/configuration aids	
Clean screen	No
Touch calibration	No
Backup/restore	Yes
Simulation	No
Device switchover	Yes
Delta transfer	No
Monitoring function for battery and memory	No
Trace (operation archive)	No
Expandability/openness	
Open Platform Program	No
Mounting	
Mounting technology	Clamp terminals
Mechanics/material	
Type of housing (front)	Plastic
Dimensions and weight	
Dimensions	
Front of enclosure (W x H)	154 mm x 84 mm
Mounting cutout/device depth (W x H / D)	138 mm x 68 mm / 28.5 mm device depth
Weight	
Weight	0.25 kg
other	
free hotline	Yes
Warranty period	1 a
Status	May 23, 2011