

SIMATIC OP17

	6AV3 617-1JC00-0AX1	6AV3 617-1JC20-0AX1	6AV3 617-1JC30-0AX1
Display			
- Display type	LC display	LC display	LC display
- Number of lines (max.)	8	8	8
- Characters per line (max.)	40	40	40
- Character height (mm)	6 or 11	6 or 11	6 or 11
- Colors	Black/white	Black/white	Black/white
- MTBF of background lighting (at 25 °C)	approx. 200,000 hours	approx. 200,000 hours	approx. 200,000 hours
Operating mode			
- Operator controls	Membrane keyboard	Membrane keyboard	Membrane keyboard
- Operating options	Keys	Keys	Keys
- Function keys, programmable	24 function keys, 16 with LEDs	24 function keys, 16 with LEDs	24 function keys, 16 with LEDs
- Membrane keyboard	Yes	Yes	Yes
- System keys	22	22	22
- Touch screen	No	No	No
- Numeric/alphanumeric input	Yes/No	Yes/No	Yes/No
- External mouse/keyboard/barcode reader	- / - / -	- / - / -	- / - / -
Type of output			
- LED colors	Red/green	Red/green	Red/green
- Acoustics	No	No	No
Processor/HW			
- Processor	X86	X86	X86
Operating systems			
- Operating system	RMOS	RMOS	RMOS
Memory			
- Type	Flash/RAM	Flash/RAM	Flash/RAM
- Usable memory for project data	256 KB user memory/without additional memory for options	256 KB user memory/without additional memory for options	256 KB user memory/without additional memory for options
Interfaces (some only as options)			
- Interfaces	1 x TTY, 2 x RS232, 1 x RS422, 1 x RS485 max. 1.5 Mbit/s	2 x RS232, 1 x RS422, 1 x RS485 max. 1.5 Mbit/s	1 x TTY, 2 x RS232, 1 x RS422, 1 x RS485 max. 12 Mbit/s
- PC card slot	No	No	No
- CF card slot	No	No	No
- USB (universal serial bus)	No	No	No
- Ethernet	No	No	No
- SD/MMC SLOT	No	No	No
- Special interfaces	No	No	No
Supply voltage			
- Supply voltage	24 V DC	24 V DC	24 V DC
- Permissible range	+18 V to +30 V DC	+18 V to +30 V DC	+18 V to +30 V DC
- Rated current	0.34 A	0.34 A	0.34 A
- Power	10 W	10 W	10 W
- UPS can be connected (serial)	No	No	No
- Backup battery	Optional 3.6 V	Optional 3.6 V	Optional 3.6 V
Clock/type			
- Clock	Hardware clock, battery-backed and synchronized	Hardware clock, battery-backed and synchronized	Hardware clock, battery-backed and synchronized
Degree of protection			
Degree of protection			
- Front side	IP 65 (when mounted) -	IP 65 (when mounted) -	IP 65 (when mounted) -
- Rear side	IP 20	IP 20	IP 20
Certification and standards (some only as options)			
- Certification (some only as options)	CE, PRS, FM Class I Div. 2, UL, EX zone 22	CE, PRS, FM Class I Div. 2, UL, EX zone 22	CE, PRS, FM Class I Div. 2, UL, EX zone 22
Mechanical			

components/dimensions				
- Front panel W x H (mm)	240 x 204	240 x 204	240 x 204	240 x 204
- Mounting cutout/depth W x H x D (mm)	231 x 195/50 mm depth of unit	231 x 195/50 mm depth of unit	231 x 195/50 mm depth of unit	231 x 195/50 mm depth of unit
- Weight	0.96 kg	0.96 kg	0.96 kg	0.96 kg
- Casing type (front)	Mainly plastic	Mainly plastic	Mainly plastic	Mainly plastic
- Mounting type	Mounting clamps	Mounting clamps	Mounting clamps	Mounting clamps
Environmental Conditions				
- Max. relative humidity (in %)	95%	95%	95%	95%
- Mounting position	Vertical	Vertical	Vertical	Vertical
- Max. permissible angle of inclination without external fan	+/- 90°	+/- 90°	+/- 90°	+/- 90°
Temperature				
- Operation (vertical installation)	0 to +50 °C	0 to +50 °C	0 to +50 °C	0 to +50 °C
- Operation (max. angle of inclination)	0 to +35 °C	0 to +35 °C	0 to +35 °C	0 to +35 °C
- Transportation and storage	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
Expansions for operator-process communication (may only be an option)				
- DP direct LEDs (LEDs as S7 output I/O)		S1...S16, K1...K16		K1...K16
- DP direct keys (buttons as input peripherals)		S1...S16, F1...F8, K1...K16		F1...F8, K1...K16
- 24 V DC direct control key module/outputs	No	No		No
- CPI module for the connection of	No	No		No
Peripherals/applications/options				
- Peripherals	Printer	Printer		Printer
Miscellaneous				
- Free hotline	Yes	Yes		Yes
- Warranty period in years	1 year	1 year		1 year
Configuration				
- Configuration tool	ProTool	ProTool		ProTool
- Configuration tool	WinCC flexible	WinCC flexible		WinCC flexible
Transfer under ProTool (upload/download)				
Functionality (under ProTool)				
- Timer	Yes	Yes		Yes
- Password protection (number of levels)	10	10		10
- Help system	Yes	Yes		Yes
- PG functions (STATUS/CONTROL)	with SIMATIC S5/S7	with SIMATIC S5/S7		with SIMATIC S5/S7
- PG function (status/control)	Yes	Yes		Yes
Reports				
- Interface to PLC (may only be an option)	S5, S7-200, S7-300/400, 505, SINUMERIK, Mitsubishi (FX), Telemecanique (ADJUST), Modicon (Modbus) and other non-Siemens drivers	S5, S7-200, S7-300/400, 505, SINUMERIK, Mitsubishi (FX), Telemecanique (ADJUST), Modicon (Modbus) and other non-Siemens drivers		S5, S7-200, S7-300/400, 505, SINUMERIK, Mitsubishi (FX), Telemecanique (ADJUST), Modicon (Modbus) and other non-Siemens drivers
Signaling system				
- Event messages	999	999		999
- Alarm messages	999	999		999
- System Messages	Yes	Yes		Yes
- Message length (lines x characters)	2 x 40	2 x 40		2 x 40
- Number of process values in messages	8	8		8
- Acknowledgement groups	4	4		4
- Alarm indicator	Yes	Yes		Yes
- Acoustic feedback	No	No		No
- First-up/last-up value	Yes	Yes		Yes
- Message buffer	Retentive and maintenance-free message buffer, battery back-up, 256 entries each	Retentive and maintenance-free message buffer, battery back-up, 256 entries each		Retentive and maintenance-free message buffer, battery back-up, 256 entries each
Recipes				
- Recipes	99	99		99
- Data records per recipe	99	99		99
- Entries/data record	99	99		99
- Recipe memory	20 KB integrated Flash	20 KB integrated Flash		20 KB integrated Flash
Number				

- Process screens	99	99	99
Picture elements			
- Text objects	31680 text elements	31680 text elements	31680 text elements
- Number	31,680	31,680	31,680
- Fields per screen	99	99	99
- Variables per screen	792	792	792
- Graphics objects	Character graphics	Character graphics	Character graphics
- Number per project	0	0	0
- Number of bar graphs/project	0	0	0
- Direction	No	No	No
- Limit curves	No	No	No
- Number of curve diagrams per project	0	0	0
- Text orientation	Horizontal	Horizontal	Horizontal
- Online manipulation	Not possible	Not possible	Not possible
- Trigger	None	None	None
- Alphanumeric fields	313,632	313,632	313,632
- Numeric fields	313,632	313,632	313,632
- Date & time field	198	198	198
- Password fields	0	0	0
- Slides; slider/project	0	0	0
- Analog displays; gauge/project	0	0	0
- Visible buttons/project	0	0	0
- Hidden buttons/project	0	0	0
- Button status switches/project	0	0	0
- Selector switches/project	0	0	0
- Thumb-wheel switches/project	0	0	0
- Indicator lights/project	0	0	0
Lists			
- Text lists/project	0	0	0
- Graphics lists/project	0	0	0
- Libraries	No	No	No
- variables	2048	2048	2048
- Initial values	2,048	2,048	2,048
- Limit values	Yes	Yes	Yes
- Multiplexing	No	No	No
Logging/printer driver			
- Print functions	Messages not possible	Messages not possible	Messages not possible
- Drivers	ESC/P2, PCL3/PCL6	ESC/P2, PCL3/PCL6	ESC/P2, PCL3/PCL6
Fonts			
- Language (keyboard fonts)	E/F/G//S, Russian	E/F/G//S, Russian	E/F/G//S, Russian
Languages			
- Online languages	3	3	3
- Project languages	D, GB, F, I, E, DK, FIN, GR, NL, N, PL, P, RUS, S, CZ / SK, TR, H	D, GB, F, I, E, DK, FIN, GR, NL, N, PL, P, RUS, S, CZ / SK, TR, H	D, GB, F, I, E, DK, FIN, GR, NL, N, PL, P, RUS, S, CZ / SK, TR, H
Transfer under ProTool (upload/download)			
- Transfer of the configuration	Serial	Serial	Serial