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Data sheet 6ES7558-1AA00-0AB0



SIMATIC S7-1500, TM MFP, Technology module Multi functional platform incl. 2 x Ethernet 2 x USB 1 x DPP Operating system: Industrial OS

General information	
Product type designation	TM MFP
Firmware version	V1.1
● FW update possible	Yes
Product function	
● I&M data	Yes; I&M0 to I&M4
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	integrated as of V19 with HSP or as of V20
● STEP 7 configurable/integrated from version	- / -
● PROFIBUS from GSD version/GSD revision	- / -
● PROFINET from GSD version/GSD revision	- / -
Installation type/mounting	
Mounting position	Horizontal, vertical
Rail mounting	Yes
Control cabinet installation	Yes
Power	
Power consumption from the backplane bus	25 W
Power loss	
Power loss, typ.	10.5 W
Drives	
SSD	Yes; 128 GB
Address area	
Address space per module	
● Inputs	256 byte
● Outputs	256 byte
Interfaces	
Number of Ethernet interfaces	2
Number of USB interfaces	2
SD card slot	No
Video interfaces	
● Graphics interface	1x DisplayPort
Interface types	
RJ 45 (Ethernet)	
● 1000 Mbps	Yes
USB port	
● USB specification	USB 3.0
● Design of the USB ports	USB type A socket
Protocols	
Protocols (Ethernet)	

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● GigE Vision	No
Web server	
● supported	No
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
● RUN LED	Yes
● ERROR LED	Yes
● MAINT LED	Yes
● LINK LED	Yes
● ACT LED	Yes
● Monitoring of the supply voltage (PWR-LED)	Yes
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	0 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	0 °C
● vertical installation, max.	40 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Operating systems	
pre-installed operating system	
● Industrial OS	Yes
Decentralized operation	
to SIMATIC S7-300	No
to SIMATIC S7-400	No
to SIMATIC S7-1200	No
to SIMATIC S7-1500	No
to standard PROFIBUS master	No
to standard PROFINET controller	No
Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	645 g
Classifications	

	Version	Classification
eClass	16	27-24-22-05
eClass	14	27-24-22-05
eClass	12	27-24-22-05
eClass	9.1	27-24-22-05
eClass	9	27-24-22-05
eClass	8	27-24-22-05
eClass	7.1	27-24-22-05
eClass	6	27-24-22-05
ETIM	10	EC001422
ETIM	9	EC001422
ETIM	8	EC001422
ETIM	7	EC001422

Approvals / Certificates

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General Product Approval

Miscellaneous

General Product Approval	For use in hazardous locations				
China RoHS		FM	CCC-Ex	Miscellaneous	

For use in hazardous locations			Maritime application		
Type Examination Certificate		CCC-Ex			

Maritime application

	NK / Nippon Kaiji Kyokai		CCS (China Classification Society)	KR (Korean Register of Shipping)

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