



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)	
• 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	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			
General Product Approval			For use in hazardous locations



[Miscellaneous](#)



For use in hazardous locations

[FM](#)

[CCC-Ex](#)

[Miscellaneous](#)



[Type Examination Certificate](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



Maritime application

[CCS \(China Classification Society\)](#)



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