



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
<ul style="list-style-type: none"> FW update possible 	Yes
Product function	
<ul style="list-style-type: none"> I&M data 	Yes; I&M0 to I&M4
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version 	integrated as of V19 with HSP or as of V20
<ul style="list-style-type: none"> STEP 7 configurable/integrated from version 	- / -
<ul style="list-style-type: none"> PROFIBUS from GSD version/GSD revision 	- / -
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Inputs 	256 byte
<ul style="list-style-type: none"> Outputs 	256 byte
Interfaces	
Number of Ethernet interfaces	2
Number of USB interfaces	2
SD card slot	No
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	1x DisplayPort
Interface types	
RJ 45 (Ethernet)	
<ul style="list-style-type: none"> 1000 Mbps 	Yes
USB port	
<ul style="list-style-type: none"> USB specification 	USB 3.0
<ul style="list-style-type: none"> 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		



[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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