



SIMATIC IOT2050; 2x Gbit Ethernet RJ45; DisplayPort; 2x USB2.0; 16 GB eMMC; SD card slot; 24 V DC industrial power supply SD card; Industrial Edge (ARM64)

Figure similar

General information	
Product type designation	IOT2050
Installation type/mounting	
Design	IoT Gateway, built-in unit
Supply voltage	
Type of supply voltage	12/24 V DC
Mains buffering	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	5 ms
Processor	
Processor type	ARM TI AM6548 HS
Graphic	
Graphics card	Yes
Drives	
Slot for drives	1x microSD card slot
Memory	
Type of memory	DDR4
Main memory	2 GB RAM
Capacity of main memory, max.	2 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	2
Number of PROFINET interfaces	2
serial interface	1x COM (1x RS 232 / 422 / 485)
Video interfaces	
<ul style="list-style-type: none"> <li>Graphics interface</li> </ul>	1x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface                             <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </li> </ul>	Yes Yes
Interrupts/diagnostics/status information	
LED status display	Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> <li>Temperature monitoring</li> </ul>	Yes
Degree and class of protection	
IP degree of protection	IP20
IP (all-round)	IP20
Standards, approvals, certificates	

CE mark	Yes		
UL approval	Yes		
cULus	Yes		
KC approval	Yes		
EAC (formerly Gost-R)	Yes		
FCC	Yes		
<b>Ecological footprint</b>			
• environmental product declaration	Yes		
<b>Global warming potential</b>			
— global warming potential, (total) [CO2 eq]	196 kg		
— global warming potential, (during production) [CO2 eq]	18.7 kg		
— global warming potential, (during operation) [CO2 eq]	179 kg		
— global warming potential, (after end of life cycle) [CO2 eq]	-2.28 kg		
<b>Ambient conditions</b>			
<b>Ambient temperature during operation</b>			
• min.	0 °C		
• max.	50 °C		
<b>Ambient temperature during storage/transportation</b>			
• min.	-20 °C		
• max.	70 °C		
<b>Altitude during operation relating to sea level</b>			
• Installation altitude above sea level, max.	2 000 m		
<b>Relative humidity</b>			
• Operation, max.	85 %		
<b>Vibrations</b>			
• Vibration resistance during operation acc. to IEC 60068-2-6	Tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s <sup>2</sup> (0.25 g)		
<b>Operating systems</b>			
pre-installed operating system	Edge OS		
without operating system	No		
<b>Mechanics/material</b>			
Enclosure material (front)	plastic		
• Plastic	Yes		
• Aluminum	Yes		
• Stainless steel	Yes		
• Glass	No		
<b>Dimensions</b>			
Width	37 mm		
Height	142 mm		
Depth	100 mm		
<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	eClass	14	19-20-01-02
	eClass	12	19-20-01-02
	eClass	9.1	19-20-01-02
	eClass	9	19-20-01-02
	eClass	8	19-20-01-02
	eClass	7.1	19-20-01-02
	eClass	6	19-20-01-02
	ETIM	10	EC001413
	ETIM	9	EC001413
	ETIM	8	EC001413
	ETIM	7	EC001413
<b>Approvals / Certificates</b>			

[Manufacturer Declaration](#)



[KC](#)



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