



Figure similar

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)

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	
• Mains/voltage failure stored energy time	5 ms
Processor	
Processor type	ARM TI AM6548 HS
Graphic	
Graphics card	Yes
Drives	
Slot for drives	1x microSD card slot
Storage	
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	
• Graphics interface	1x DisplayPort
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	Yes
Integrated Functions	
Monitoring functions	
• Temperature monitoring	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		
Ecological footprint			
• environmental product declaration	Yes		
Global warming potential			
— 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		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	50 °C		
Ambient temperature during storage/transportation			
• min.	-20 °C		
• max.	70 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	2 000 m		
Relative humidity			
• Operation, max.	85 %		
Vibrations			
• 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/s² (0.25 g)		
Operating systems			
pre-installed operating system	Edge OS		
without operating system	No		
Mechanics/material			
Enclosure material (front)	plastic		
• plastic	Yes		
• aluminum	Yes		
• Stainless steel	Yes		
• Glass	No		
Dimensions			
Width	37 mm		
Height	142 mm		
Depth	100 mm		
Classifications			
		Version	Classification
	eClass	16	19-20-01-02
	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
Approvals / Certificates			

[Manufacturer Declaration](#)



last modified:

4/3/2025