

SIMATIC IPC RW-543A (rack PC, 19", 4 U) 10th generation; Intel Core i7-10700E (8C/16T, 2.9 (4.5) GHz, 16 MB cache); 1 TB HDD; 16 GB DDR4 SDRAM; standard chassis, 350 W; default; Windows 10 IoT Enterprise 2021 LTSC, multi-language (en, de, fr, it, es), 64-bit; (for processors Core i7 / i9); with USB flash drive(D&D) default;

General information	
Product type designation	RW-543A
Installation type/mounting	
Mounting	for horizontal or vertical installation
Design	Rack PC, 19", 4U
Supply voltage	
Type of supply voltage	100 - 240 V AC
Line frequency	
<ul style="list-style-type: none"> Rated value 50 Hz Rated value 60 Hz 	Yes Yes
Processor	
Processor type	Pentium 6400 (2C/4T, 4.0 GHz, 4 MB Cache) / Intel Core i3-10100E (4C/8T, 3.2 (3.8) GHz, 6 MB Cache) / Intel Core i5-10500E (6C/12T, 3.1 (4.2) GHz, 12 MB Cache) / Intel Core i7-10700E (8C/16T, 2.9 (4.5) GHz, 16 MB Cache) / Intel Core i9-10900E (10C/20T, 2.8 (4.7) GHz, 20 MB Cache)
Chipset	Intel Q470
Drives	
Hard disk	HDD & SSD
Memory	
Main memory	4 GB to 128 GB DDR4 2666 SDRAM DIMM, ECC optional
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> free slots Number of PCI slots Number of PCI slots 	2x PCI, 3x PCIe*4, 2x PCIe*16 2 5
Interfaces	
USB port	4x USB3.2 and 2x USB2.0 on rear panel, 2x USB2.0 on front panel, 1x USB2.0 vertical and 2x USB2.0 on motherboard
Connection for keyboard/mouse	PS/2 or USB; PS/2 or USB
serial interface version	1x RS232 on the rear panel, 3x RS232, 1x RS232/RS422/RS485, 1x RS232/RS485 on the motherboard
Multimedia	
<ul style="list-style-type: none"> Audio In/Out Microphone In 	Yes Yes
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	1x VGA, 1x DVI-D, 1x HDMI
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> 100 Mbps 1000 Mbps 	Yes Yes
Interrupts/diagnostics/status information	
LED status display	POWER, HDD
EMC	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> Interference immunity against discharge of static electricity 	±4 kV contact discharge (acc. to IEC 1000-4-2: 1995); ±8 kV contact discharge (acc. to IEC 1000-4-2: 1995)
Interference immunity against high-frequency electromagnetic fields	
<ul style="list-style-type: none"> Interference immunity against high frequency radiation 	10 V/m for 80 - 1 000 MHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 1 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 150 kHz - 80 MHz, 80% AM acc. to IEC 61000-4-6

Interference immunity to cable-borne interference			
• Interference immunity on supply cables	±2 kV (according to IEC 61000-4-4; burst); ±0,5 kV (according to IEC 61000-4-5; surge pulse/line to line); ±1 kV (according to IEC 61000-4-5; surge pulse/line to ground)		
• Interference immunity on signal cables >30m	±2 kV acc. to IEC 61000-4-4, burst; length > 30 m; ±2 kV acc. to IEC 61000-4-5, surge; length > 30 m		
• Interference immunity on signal cables < 30m	±1 kV acc. to IEC 61000-4-4, Burst		
Interference immunity against voltage surge			
• asymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric		
• symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric		
Emission of conducted and non-conducted interference			
• Interference emission via line/AC current cables	IEC 61000-6-4, CISPR 22, FCC Class A		
Compliance with line harmonic distortion limits			
• Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3	Yes; EN 61000-3-2 Class D; EN 61000-3-3		
Degree and class of protection			
IP (at the front)	IP20		
IP (rear)	IP20		
Ambient conditions			
Ambient temperature during operation			
• min.	5 °C		
• max.	40 °C		
Operating systems			
without operating system	Yes		
Dimensions			
Width	430 mm		
Height	176 mm; 4U		
Depth	465.8 mm		
Approvals / Certificates			
General Product Approval	EMV	other	Environment



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