SIEMENS

Data sheet 6AG4114-4RJ57-2GD1

SIMATIC IPC RW-548A (rack PC, 19", 4 U); MB: chipset R680E, 1x 1 Gbit LAN(IE/PN), RJ45; 3x 2.5 Gbit LAN(IE/PN), RJ45; 4x display ports, 4x USB 3.2 Gen. 2 type A, 2x USB 3.2 Gen. 2x2 type C, 2x USB 2.0 type A internal, 2x USB 3.1 type A on the front, 2x M.2(key M) slots, 1x COM (RS232), TPM2.0, audio; 12x status LEDs on the front; Core i9-13900E 24C(8P+16E)/32T, 1.8 (5.2) GHz, iAMT; board 10 slots: 2x PCI, 2x PCIe x16 (2x 8L) or 1x 16L), 4x PCIe x16 (4 L), 2x PCIe x4 (4 L); RAID1, 2x 960 GB SSD [Enterprise] 2.5" SATA RAID1, 2x 1 TB SSD M.2 NVMe (2 slots M.2 occupied) 128 GB DDR5 SDRAM (4x 32 GB); ECC drive support type B (for internal installation; 0.5 g vibration, 5 g shock) + COM2 interface graphics card NVIDIA RTX 5000 ADA (32 GB, 4x DP) (2 slots occupied), 850 W 100/240 V AC industrial power supply unit Windows 11 IoT Enterprise LTSC 2024, MUI, [for Core i7/i9]; with USB flash drive (restore image; D&D) power supply cord Europe

General information	
Product type designation	RW-548A
Installation type/mounting	
Mounting	For horizontal and vertical installation; prepared for telescopic rails; 19" mounting bracket can be removed externally; tower kit (optional)
Design	Rack PC, 19", 4U
Supply voltage	
Type of supply voltage	100/240 V AC (autorange) 50 / 60 Hz; optional redundant 100/240 V AC
Line frequency	
● Rated value 50 Hz	Yes
● Rated value 60 Hz	Yes
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel Core i9-13900E (24C(8P+16E)/32T), 1,8 (5,2) GHz, 36 MB Cache; Intel Core i7-13700E (16C(8P+8E)/24T), 1,8 (5,1) GHz, 30 MB Cache; Intel Core i5-13500E (14C(6P+8E)/20T), 2,4 (4,6) GHz, 30 MB Cache; Intel Core i3-13100E (4C(4P)/8T), 3,3 (4,4) GHz, 12 MB Cache
Chipset	Intel R680E
Graphic	
Graphics controller	Intel® UHD Graphics 730 / 770
Graphics card	Yes; NVIDIA RTX A400, RTX 2000 ADA, RTX 4000 ADA, RTX 5000 ADA
Drives	
Hard disk	1x 2 TB 3.5" SATA HDD, 2x 2 TB 3.5" SATA HDD, 1x 480 GB 2.5" SATA SSD, 1x 960 GB 2.5" SATA SSD, 2x 960 GB 2.5" SATA SSD, RAID1 2x 2 TB 3.5" SATA HDD, RAID1 2x 480 GB 2.5" SATA SSD, RAID1 2x 960 GB 2.5" SATA SSD, RAID1 2x 2 TB [Enterprise] 3.5" SATA HDD, RAID1 2x 4 TB [Enterprise] 3.5" SATA HDD, RAID1 2x 4 TB [Enterprise] 3.5" SATA HDD + 4 TB [Enterprise] 3.5" SATA HDD hot spare
SSD	Yes; 1x 512 GB SSD M.2 NVMe, 1x 1 TB SSD M.2 SSD, 2x 1 TB SSD M.2 NVMe, RAID1 2x 512 GB SSD M.2 NVMe, RAID1 2x 1 TB SSD M.2 NVMe
Slot for drives	mounting internally in vibration/shock-absorbing drive cage Type B or mounting on the front in removable trays in drive cage Type A; mounting internally on the fixed drive cage optional
Storage	
Main memory	8 GB to 128 GB DDR5 4800 SDRAM DIMM
Capacity of main memory, max.	128 Gbyte
Hardware configuration	
Slots	
● Number of PCI slots	7; depends on configurations
● Number of PCI slots	8; depends on configurations
● number of M.2 slots	2
Interfaces	
Interfaces/bus type	1x Gigabit Ethernet (IE/PN), RJ 45; 3x 2.5 Gigabit Ethernet (IE/PN), RJ 45; USB 3.2 Gen 2: 4x type A, USB 3.2 Gen 2x2: 2x type C, on rear, USB 3.1 Gen

Subject to change without notice
© Copyright Siemens

	1: 2x type A on front, USB 2.0: 2x internal e.g. for software dongle with optional interlock, 4x DisplayPort V1.4a, 1x COM1 and 1x COM2 (optional), audio: line in, line out, micro
serial interface	COM1: 1x RS 232, COM2 (optional): 1x RS 232
Video interfaces	
● Graphics interface	4x DisplayPort
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
● number of interfaces (1 000 Mbps)	1
● number of interfaces (2 500 Mbps)	3
Interrupts/diagnostics/status information	
LED status display	POWER; HDD, ETHERNET 1, ETHERNET 2, ETHERNET 3, ETHERNET 4, WATCHDOG, TEMP/FAN, HDD3 ALARM, HDD2 ALARM, HDD1 ALARM, HDD0 ALARM
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	Yes
● Monitoring function via network	Optional
Degree and class of protection	
IP (at the front)	IP41
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes; For use in industrial areas as well as domestic, business and commercial environments (emitted interference: EN 61000-6-3:2007 +A1:2011, noise immunity: EN 61000-6-2:2005)
UKCA mark	Yes
CSA approval	Yes; CAN/CSA-C22.2 No. 61010-2-201 Second Edition
RCM (formerly C-TICK)	Yes
KC approval	Yes; in preparation
Dust protection	With front door closed: G2 EN 779, 99% of particles > 0.5 mm are filtered
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C; Max. 10 °C/h (no condensation)
● max.	50 °C
Ambient temperature during storage/transportation	
● min.	-20 °C; Max. 20 °C/h (no condensation)
● max.	60 °C
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	tested according to IEC 60068-2-6: 10 cycles; 5 to 8.4 Hz: deflection 3.5 mm; 8.4 to 200 Hz: acceleration 9.8 m/s²
Operating systems	
pre-installed operating system	Windows 11 IoT Enterprise LTSC 2024
without operating system	Yes
Dimensions	
Width	430 mm
Height	177 mm; 4U
Depth	444 mm
Approvals / Certificates	
General Product Approval	







BIS CRS

Manufacturer Declaration



General Product Approval	EMV	Dangerous goods	Environment

Subject to change without notice
© Copyright Siemens

Dangerous goods information

Test Summary Report UN 38.3

last modified: 6/10/2026

Subject to change without notice
© Copyright Siemens