

SIMATIC IPC627D

Installation Instructions

6AG4131-2GM21-0AX6

SIMATIC IPC627D Box PC

PROCESSOR	MEMORY	STORAGE	SUPPLY
Xeon E3-1268LV3	4 GB DDR3	240 GB SSD	24 V DC

01 PRODUCT VERIFICATION

Article number	6AG4131-2GM21-0AX6
Product	SIMATIC IPC627D Box PC
Family	SIMATIC IPC627D
Product type	SIMATIC IPC627D Box PC
Processor	Intel Xeon E3-1268LV3
Processor configuration	4 cores / 8 threads; 2.3 (3.3) GHz; 8 MB cache
Main memory	4 GB DDR3-1600 DIMM
Storage	240 GB solid-state drive

02 BEFORE INSTALLATION

- Switch off the external 24 V DC supply and place the device power switch in the off position before mounting or wiring the IPC.
- Install the IPC627D with the approved mounting hardware and leave at least 100 mm of free space around the ventilation slots.

OFFICIAL INSTALLATION DRAWING

The selected Siemens source page is retained as the installation and wiring reference. Use the current controlled manual for final work.

Installing and connecting the device

3.3 Connecting the device

3.3.4 Connecting the 24 VDC power supply

Note before connecting the device



WARNING

Safety extra-low voltage (SELV)

The device should only be connected to a 24 V DC power supply which meets the requirements of safe extra low voltage (SELV) according to IEC/EN/DIN EN 60950-1. A protective conductor must also be used. The conductors must withstand the short-circuit current of the 24 V DC power source, so that a short-circuit will not damage the cable. Only connect cables with a minimum cross-section of 1.3 mm² (AWG16) and a maximum cross-section of 3.3 mm² (AWG12).

Note

The 24 V DC power source must be adapted to the input data of the device (see specifications).

Procedure

1. Make sure that the ON/OFF switch is in the position "0" (OFF) to prevent unintentional startup of the device when it is connected to the 24 V power supply.
2. Switch off the external 24 V DC power supply.
3. Connect the 24 VDC plug connector to the device.
Observe the correct polarity of the contacts:
 - ① DC 24 V
 - ② ground
 - ③ protective conductor



04 INSTALLATION SEQUENCE

- 01 Switch off the external 24 V DC supply and place the device power switch in the off position before mounting or wiring the IPC.
- 02 Install the IPC627D with the approved mounting hardware and leave at least 100 mm of free space around the ventilation slots.
- 03 Connect equipotential bonding and a 24 V DC SELV supply with the required protective conductor and correct terminal polarity.
- 04 Connect approved peripherals and industrial networks, then verify storage, memory, expansion hardware and the operating-system image before startup.

05 OFFICIAL DOCUMENTATION

SIMATIC IPC627D/827D Operating Instructions (A5E32990859-AD)

[Open current Siemens manual](#)

[Open Siemens exact product record](#)

06 SUPPORT CONTACT

AMIKON PRODUCT SUPPORT

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