

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6AG4131-2GM21-0AX6

SIMATIC IPC627D BOX PC

Used with the applicable SIMATIC IPC627D system configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official pages follow this cover with source pagination retained.

[A5E32990859-AD](#)

Preface

Purpose of the Operating Instructions

These operating instructions contain all the information you need to commission and operate the SIMATIC IPC627D and IPC827D.

It is intended both for programming and testing personnel who commission the device and connect it with other units (automation systems, programming devices), as well as for service and maintenance personnel who install add-ons or carry out fault/error analyses.

Basic knowledge required

A solid background in personal computers and Microsoft operating systems is required to understand this manual. General knowledge in the field automation control engineering is recommended.

Scope of the operating instructions

These operating instructions are valid for all versions of the SIMATIC IPC627D and IPC827D.

Approbations

You will find additional information in "Certificates and approvals (Page 105)".

CE marking

You will find additional information in "Certificates and approvals (Page 105)".

Standards

For more information, refer to chapters "Certificates and approvals (Page 105)" and "Technical specifications (Page 120)".

Position in the information landscape

The IPC documentation comprises:

- SIMATIC IPC627D operating instructions
- SIMATIC IPC827D operating instructions

The documentation is supplied with the IPC in German and English in electronic form as a PDF file on the "Documentation and Drivers" CD/DVD.

8.4 Technical specifications

8.4.1 General technical specifications

General technical specifications

Order numbers	See order documents
Dimensions IPC627D	Without DVD burner/HDD in removable drive bay: 297 × 267 × 80 (B × H × T in mm) With DVD burner/HDD in removable drive bay: 297 × 267 × 105
Dimensions IPC827D	Without DVD burner/HDD in removable drive bay: 297 × 267 × 155 (B × H × T in mm) With DVD burner/HDD in removable drive bay: 297 × 267 × 197
Weight IPC627D	approx. 5 kg
Weight IPC827D	approx. 7 kg
Supply voltage AC	Nominal 100-240 V AC (-15% / +10%) (wide range)
Supply voltage DC ¹	Nominal 24 V DC (-20% / + 20%), SELV ¹
Input current AC	Continuous current up to 2.5 A (max. 132 A for a half-value time of 0.8 ms)
Input current DC	Continuous current up to 8 A (max. 13 A for a period of 50 ms)
Line voltage frequency	50-60 Hz (47 to 63 Hz)
Short-term voltage interruption in accordance with Namur	Max. 20 ms (at 93 to 264 V) (max. 10 events/h; recovery time min. 1 s)
Max. power consumption AC and DC	Active power 176 W
Degree of protection	IP 20 to IEC 60529
Protection class	Protection class I to IEC 61140
Safety specifications	EN 60950-1; UL60950-1; CAN/CSA C22.2 No 60950-1-07; UL508; CSA C22.2 No 142
Noise emission	< 55 dB(A) according to EN ISO 7779
Quality assurance	In accordance with ISO 9001

¹ 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 (see section "Connecting the 24 VDC power supply (Page 41)").

8.4.5 DC power supply

Technical data

Power supply characteristics	DC power supply
Input data	
Voltage	Nominal 24 V DC (-20% / +20%), SELV, isolated
Continuous current	Max. 8 A
Starting current (load-independent)	Max. 13 A for a period of 50 ms
I^2t	Max. 3.5 A ² s
Active power	176 W
Output data	
Voltages	+12 V / 12.5 A
Secondary power output	Max. 150 W

Power Good signal of the DC power supply

