

SIMATIC IPC227D (Nanobox PC) 1x DVI-I graphics card connection;
2x 10/100/1000 Mbps Ethernet RJ45; 4xUSB V2.0 (high current);
Compact Flash slot; 24 V DC industrial power supply ATOM E620
(600 MHz), 512 MB RAM 2 GB SIMATIC PC CompactFlash COM1:
RS232; WES 2009 SP3 (CF 2 GB or more/SSD/HD) without
SIMATIC software Device type: Basic Side mounting

General information	
Product type designation	IPC227D
Installation type/mounting	
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel Atom E6x0
Drives	
Hard disk	CF or SSD or HD
SSD	Yes; ≥ 240 GB optional
Memory	
Main memory	512 MB to 2 GB
Capacity of main memory, max.	2 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte
Hardware configuration	
Slots	
• free slots	1x PCIe x1 (optional)
• Number of compact flash slots	1; CompactFlash
Interfaces	
USB port	4x USB 2.0 high speed/high current
Connection for keyboard/mouse	USB / USB
serial interface	COM1: 1x RS 232 or RS 485 or CAN
Video interfaces	
• Graphics interface	DVI-D
Industrial Ethernet	

- Industrial Ethernet interface
 - 100 Mbps
 - 1000 Mbps

2x Fast Ethernet
Yes
Yes

Integrated Functions

Monitoring functions

- Temperature monitoring Yes
- Watchdog Yes
- Status LEDs Yes
- Fan No

Degree and class of protection

IP (at the front) IP20

Standards, approvals, certificates

Approval	CE (industry), UL, cULus
CE mark	Yes
cULus	Yes
KC approval	Yes
Dust protection	Protection against foreign bodies > 1 mm

Marine approval

- Germanischer Lloyd (GL) Yes
- American Bureau of Shipping (ABS) Yes
- Bureau Veritas (BV) Yes
- Det Norske Veritas (DNV) Yes
- Lloyds Register of Shipping (LRS) Yes

Ambient conditions

Ambient temperature during operation

- Ambient temperature during operation 0 °C to 50 °C

Operating systems

Operating system	Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit
pre-installed operating system	Yes
without operating system	Yes
pre-installed operating system	
• Windows XP Professional	Yes
• Windows 7	Yes

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