

No longer available SIMATIC IPC227D (Nanobox PC) 1x DVI-I graphics card connection; 2x 10/100/1000 Mbps Ethernet RJ45; 4xUSB V2.0 (high current); CompactFlash slot; 24 V DC industrial power s. ATOM E660 (1.3 GHz), 2 GB RAM 240 GB Solid-State-Drive SATA COM1: RS232; WES 7 SP1 (CF 4 GB or more/SSD/HD, from 1 GHz) without SIMATIC software Device type: Basic Vertical mounting

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	2x Fast Ethernet
— 100 Mbps	Yes
— 1000 Mbps	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	
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

pre-installed operating system Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit

without operating system Yes

pre-installed operating system

- Windows XP Professional Yes
- Windows 7 Yes

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