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Data sheet 6ES7647-8AG11-2AB1

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 250 GB HDD SATA COM1: RS485; XP Prof. SP3, MUI (SSD/HD) without SIMATIC software Device type: PCIE (1 slot) standard mounting rail

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
Storage	
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	
● Number of compact flash slots	1; CompactFlash
Interfaces	
USB port	4x USB 2.0 high speed/high current
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
● 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

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Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	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

Approvals / Certificates

General Product Approval

Miscellaneous | Declaration of Conformity | CE EG-Konf. | UKCA | Manufacturer Declaration | KC

General Product Approval

RCM | EAC | Manufacturer Declaration | China RoHS | CE EG-Konf. | UKCA

Maritime application

ABS | DNV | RINA | CCS (China Classification Society) | KR (Korean Register of Shipping)

Dangerous goods

Test Summary Report UN 38.3

Dangerous goods

Dangerous goods information | Dangerous goods information | Test Summary Report UN 38.3

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