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## Data sheet 6AV7885-2AA20-1DA8

***no longer available*** SIMATIC HMI IPC 577C PCI slot, 4 USB (back)+1 USB (front), Ethernet (10/100/1000), 15" touch display ; Celeron M 1.2 GHz, PROFINET (IE); 2x 1 Gbit 2 GB -RAM, DDR3; 2nd mass storage: Not equipped 1st mass storage (Operating system optional): 320 GB HDD SATA WinXP Prof. pre-installed (only possible with HD or SSD) without expansion (software) 24 V DC power supply

| | |
|---|---|
| **Display** | |
| Design of display | 15" TFT touch |
| Screen diagonal | 15 in |
| Resolution (pixels) | |
| ● Horizontal image resolution | 1 024 pixel |
| ● Vertical image resolution | 768 pixel |
| Backlighting | |
| ● MTBF backlighting (at 25 °C) | 50 000 h |
| **Control elements** | |
| Input device | |
| ● Integrated mouse cursor control | No |
| Keyboard | |
| ● Function keys | No |
| — Number of function keys | 0 |
| ● alphanumeric keyboard | No |
| Touch operation | |
| ● Design as touch screen | Yes |
| **Installation type/mounting** | |
| central design | Yes |
| distributed design | No |
| **Supply voltage** | |
| Type of supply voltage | 110/230 V AC or 24 V DC |
| **Processor** | |
| Processor type | Intel Celeron M 1.2 GHz, Intel Core2Solo 1.2 GHz, Intel Core2Duo 1.86 GHz |
| **Drives** | |
| Optical drives | Optional: DVD±R±RW combi drive; on rear, can be operated from side |
| Hard disk | 3.5" SATA hard disk ≥ 80 GB, vibration-resistant mounting |
| **Storage** | |
| Type of memory | DDR3-SDRAM |
| Main memory | 512 MB |
| Capacity of main memory, max. | 4 096 Mbyte; At least 3.2 GB can be used |
| **Data areas and their retentivity** | |
| Retentive data area (incl. timers, counters, flags), max. | 2 048 kbyte; 128 KB can be stored in the buffer time |
| **Hardware configuration** | |
| Slots | |
| ● Number of PCI slots | 1 |
| ● Number of compact flash slots | 1 |
| **Interfaces** | |
| serial interface | COM1: 1x V.24 (RS 232) |
| Video interfaces | |
| ● Graphics interface | DVI-I: VGA / DVI combined |
| Industrial Ethernet | |
| ● Industrial Ethernet interface | |
| — 100 Mbps | Yes |
| — 1000 Mbps | Yes |
| **Protocols** | |


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| | |
|---|---|
| Protocols (Ethernet) | |
| ● TCP/IP | Yes |
| **Interrupts/diagnostics/status information** | |
| LED status display | No |
| **Integrated Functions** | |
| Monitoring functions | |
| ● Temperature monitoring | Yes |
| **Degree and class of protection** | |
| IP (at the front) | IP65 |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| Use in hazardous areas | |
| ● FM Class I Division 2 | No |
| Marine approval | |
| ● Germanischer Lloyd (GL) | No |
| ● American Bureau of Shipping (ABS) | No |
| ● Bureau Veritas (BV) | No |
| ● Det Norske Veritas (DNV) | No |
| ● Lloyds Register of Shipping (LRS) | No |
| ● Polski Rejestr Statkow (PRS) | No |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● max. | 50 °C |
| Vibrations | |
| ● Vibration resistance during operation acc. to IEC 60068-2-6 | Mech. environmental conditions tested in acc. with IEC 60068-2-6 Vibration: in operation with CompactFlash Card and SSD: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 500 Hz: 9.8 m/s²; in operation with HDD: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s² |
| **Operating systems** | |
| pre-installed operating system | Windows XP Embedded and Win XP Prof. |
| without operating system | Yes |
| pre-installed operating system | |
| ● Windows XP Professional | Yes; Only with SSD or HDD |
| **Dimensions** | |
| Width of the housing front | 483 mm |
| Height of housing front | 310 mm |
| Mounting cutout, width | 450 mm |
| Mounting cutout, height | 290 mm |
| mounting depth | 120 mm |
| **Weights** | |
| Weight, approx. | 9 kg |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 19-20-01-03 |
| eClass | 14 | 19-20-01-03 |
| eClass | 12 | 19-20-01-03 |
| eClass | 9.1 | 19-20-01-03 |
| eClass | 9 | 19-20-01-03 |
| eClass | 8 | 27-24-23-01 |
| eClass | 7.1 | 27-24-23-01 |
| eClass | 6 | 27-24-23-01 |
| ETIM | 10 | EC001414 |
| ETIM | 9 | EC001414 |
| ETIM | 8 | EC001414 |
| ETIM | 7 | EC001414 |

**Approvals / Certificates**


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| General Product Approval | | | | | |
|---|---|---|---|---|---|
| CE EG-Konf. | UKCA | UL UL | KC | CE EG-Konf. | UKCA |

| EMV | Dangerous goods | | | |
|---|---|---|---|---|
| RCM | Dangerous goods information | Test Summary Report UN 38.3 | Dangerous goods information | Test Summary Report UN 38.3 |

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