

SIMATIC IPC277D (NANOPANEL PC) 7" TOUCH TFT; 2 X 10/100/1000 MBIT/S ETHERNET RJ45; 3 X USB V2.0 (HIGH CURRENT); 1 X SERIAL (COM1); COMPACTFLASH SLOT; 24V DC POWER SUPPLY;

| Display                                    |                         |
|--------------------------------------------|-------------------------|
| Design of display                          | 7" TFT touch            |
| Screen diagonal                            | 7 in                    |
| Resolution (pixels)                        |                         |
| • Horizontal image resolution              | 800 Pixel               |
| • Vertical image resolution                | 480 Pixel               |
| Backlighting                               |                         |
| • MTBF backlighting (at 25 °C)             | 80 000 h                |
| Control elements                           |                         |
| Input device                               |                         |
| • Mouse, at front                          | No                      |
| Keyboard fonts                             |                         |
| • Function keys                            | No                      |
| • alphanumeric keyboard                    | No                      |
| Touch operation                            |                         |
| • Design as touch screen                   | Yes                     |
| Installation type/mounting                 |                         |
| Design                                     | Panel PC, built-in unit |
| Mounting in portrait format possible       | Yes                     |
| maximum permissible installation angle +/- | 45°                     |
| Supply voltage                             |                         |
| Type of supply voltage                     | 24 V DC                 |
| Mains buffering                            |                         |
| • Mains/voltage failure stored energy time | 20 ms                   |
| Power loss                                 |                         |
| In full configuration                      | 26.4 W                  |
| Processor                                  |                         |
| Processor type                             | Intel Atom E6x0         |
| Drives                                     |                         |
| Hard disk                                  | CF or SSD               |
| SSD                                        | Yes; ≥ 80 GB optional   |

|                                                           |                                                     |
|-----------------------------------------------------------|-----------------------------------------------------|
| <b>Memory</b>                                             |                                                     |
| Capacity of main memory, max.                             | 2 Gbyte                                             |
| <b>Data areas and their retentivity</b>                   |                                                     |
| Retentive data area (incl. timers, counters, flags), max. | 128 kbyte                                           |
| <b>Interfaces</b>                                         |                                                     |
| USB port                                                  | Yes                                                 |
| Connection for keyboard/mouse                             | USB / USB                                           |
| serial interface                                          | COM1 (RS232)                                        |
| <b>Industrial Ethernet</b>                                |                                                     |
| • Industrial Ethernet interface                           | 2 x Fast Ethernet                                   |
| — 100 Mbps                                                | Yes                                                 |
| — 1000 Mbps                                               | Yes                                                 |
| <b>Integrated Functions</b>                               |                                                     |
| <b>Monitoring functions</b>                               |                                                     |
| • Temperature monitoring                                  | Yes                                                 |
| • Watchdog                                                | Yes                                                 |
| • Status LEDs                                             | No                                                  |
| • Fan                                                     | No                                                  |
| <b>Degree and class of protection</b>                     |                                                     |
| IP (at the front)                                         | IP65                                                |
| IP (rear)                                                 | IP20                                                |
| <b>Standards, approvals, certificates</b>                 |                                                     |
| Approval                                                  | CE, cULus (508)                                     |
| CE mark                                                   | Yes                                                 |
| cULus                                                     | Yes                                                 |
| <b>Marine approval</b>                                    |                                                     |
| • Germanischer Lloyd (GL)                                 | Yes; 7", 9", 12"                                    |
| • American Bureau of Shipping (ABS)                       | Yes; 7", 9", 12"                                    |
| • Bureau Veritas (BV)                                     | Yes; 7", 9", 12"                                    |
| • Det Norske Veritas (DNV)                                | Yes; 7", 9", 12"                                    |
| • Lloyds Register of Shipping (LRS)                       | Yes; 7", 9", 12"                                    |
| <b>Ambient conditions</b>                                 |                                                     |
| <b>Ambient temperature during operation</b>               |                                                     |
| • Ambient temperature during operation                    | 0 °C to 50 °C                                       |
| • min.                                                    | 0 °C                                                |
| • max.                                                    | 50 °C; 19": max. 45 °C                              |
| <b>Operating systems</b>                                  |                                                     |
| Operating system                                          | Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit |
| pre-installed operating system                            | Yes                                                 |

|                                                                                 |                                                                                     |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| pre-installed operating system                                                  |                                                                                     |
| • Windows XP Professional                                                       | Yes                                                                                 |
| • Windows 7                                                                     | Yes                                                                                 |
| Software                                                                        |                                                                                     |
| SIMATIC Software                                                                | Optionally with pre-installed software bundle SIMATIC WinCC RT Advanced / WinAC RTX |
| Accessories                                                                     |                                                                                     |
| Accessory components                                                            | Touch protective foil                                                               |
| Dimensions                                                                      |                                                                                     |
| Operator control unit (W x H) in mm                                             | 214 mm x 158 mm                                                                     |
| • Operator panel width                                                          | 214 mm                                                                              |
| • Operator panel height                                                         | 158 mm                                                                              |
| Install. dimensions, centralized design (W x H x D without optical drive) in mm |                                                                                     |
| • Width                                                                         | 197 mm                                                                              |
| • Height                                                                        | 141 mm                                                                              |
| • Depth                                                                         | 71 mm                                                                               |
| Mounting cutout/device depth (W x H x T)                                        | 197 mm x 141 mm x 71 mm                                                             |
| Weights                                                                         |                                                                                     |
| Panel PC in central design, approx.                                             | 1.5 kg                                                                              |
| <b>last modified:</b>                                                           | 10/13/2017                                                                          |