

Human Machine Interface (HMI) - SIMATIC Panel PC 577



Overview



- Industry-standard PC platform for demanding operator control and monitoring tasks
- Maximum performance thanks to high processor performance at an attractive entry-level price
- Front panel versions:
 - 12", 15" and 19" TFT Touch
 - 12" and 15" TFT Key

Benefits

- Suitable for industrial environments subject to vibration and shock loads
- Investment protection thanks to guaranteed availability of spare parts
- USB port for quick and easy connection of required components
- Integrated Ethernet interface

- Minimization of downtimes thanks to increased system availability:
 - Data backup solutions (preventative data backup)
 - Integral component of Totally Integrated Automation (TIA):
increases productivity, minimizes the engineering outlay, reduces the lifecycle costs

Design

The Panel PC 577 comprises a computer unit and an operator unit.

Components of the computer unit:

- Metal housing, resistant to vibration and shock, with high electromagnetic compatibility
- Processor:
 - Intel Celeron 2.0 GHz
- Memory:
 - 256 MB DDR 400
- Hard disk: ≥ 40 GB;
- Interfaces:
 - 1 x GB Ethernet on-board
 - 4 x USB on rear side (USB 2.0), 1 x USB on the front (USB 2.0)
 - 1 x serial V.24 (9-pin)
 - 1 x parallel
- Free slots for expansion:
 - 3 x PCI (slots with card retainer, 1 slot specially prepared for WinAC Slot module)
- Power supply: 110 V/230 V AC (autorange) 50/60 Hz

Optional additional components:

- 2.4 GHz Intel Pentium 4 processor
- 512 MB DDR 400, 1 GB DDR 400, expandable to 3 GB
- Diskette drive, optional via USB, can be ordered as accessory
- DVD-ROM or DVD \pm RW \pm R drives optional
- Operating system: Windows 2000 MUI or Windows XP Professional MUI

Components of the operator control unit:

The front panels are available in the following designs:

12" Touch

- 12.1" TFT color display, 800 x 600 pixels (SVGA)
- Resistive analog touch screen
- USB 2.0 port on front

15" Touch

- 15.1" TFT color display, 1024 x 768 pixels (XGA)
- Resistive analog touch screen
- USB 2.0 port on front

19" Touch

- 19.1" TFT color display, 1280 x 1024 pixels (SXGA)
- Resistive analog touch screen
- USB 2.0 port on front

12" Key

- 12.1" TFT color display, 800 x 600 pixels (SVGA)
- Membrane keyboard with international PC character set and 36 additional function keys and an integrated mouse
- USB 2.0 port on front

15" Key

- 15.1" TFT color display, 1024 x 768 pixels (XGA)
- Membrane keyboard with international PC character set and 36 additional function keys and an integrated mouse
- USB 2.0 port on front