

B-Net 95 80 multi-function terminal



The B-Net 95 80 multi-function terminal with its ergonomic touch panel screen and up to two integrated readers is ideally suited as a flexible platform for all kinds of data collection or point-of-service applications. Thanks to high-performance and robust system technology, combined with the Microsoft operating system WEPOS (Windows Embedded for Point of Service), there are many applications in which this multi-function terminal can be profitably used. A selection of configurable components permits an individual, customer-specific solution.

Typical applications are*:

Information service

- Person-related information
- Guest information
- Safety instructions

Time and attendance

- Posting journal
- Attendance overviews
- Data for payroll accounting

Shop floor data collection

- Order management
- Job control
- Post-calculation

Process technology

- Control & visualization
- Monitoring of machines
- Person-related activities

Quality assurance

- Test instructions
- Display of quality data
- Display of CAD/CAM data

Self-service

- Cafeteria/meal reservation
- Services
- Order acceptance
- eTicketing

Building control technology

- Monitoring & control
- Fault management & repair

Duty roster administration

- Workforce planning
- Sickness cover
- Shift staffing
- Emergency service

Expense report

- Travel/catering costs

Internet surf station

- Person-related web content
- Usage time monitoring

* requires a suitable software application

Your advantages at a glance

- Robust, completely fanless housing concept facilitates a high protection class for rough industrial environments
- Industrial PC concept with high operational safety
- Components available long term
- Choice between two high-performance CPU modules with optimized energy consumption
- Flexible data memory solution with optionally HDD or Compact Flash memory card
- Bright TFT display in various sizes and resolutions
- Fail-safe touch screen for industrial applications
- Up to two integrated readers for identification and data collection
- Alternatively badge-free biometric identification via high-quality fingerprint reader module
- Equally suitable for single workstation applications and for network use

Made in Germany

developed and produced
in Germany

Features

- **Investment protection:** The B-Net 95 80 multi-function terminal is compatible with the B-Net and Bedanet series and can therefore also be easily integrated in already existing plants/systems. 8 years of guaranteed product support and long availability of spare parts are a standard feature.
- **Design:** Service-friendly design with reduced number of cable/plug connections and generously dimensioned cooling concept for reliable use in 24h operation. The completely fanless and sealed terminal works entirely without making noise and can also be used in industrial environments.
- **CPU:** Two selectable, energy-efficient computer systems guarantee sufficient computer performance while generating a small amount of heat:
 - Intel Celeron M 800MHz CPU
 - Intel Pentium M 1.6 GHz CPU
- **Memory:** The RAM can be flexibly configured: DDR SDRAM up to a maximum of 1GB and data memory optionally as a high-quality 2.5" hard disk or as an industry-standard Compact Flash memory card.
- **Display:** Two bright TFT displays with robust 5-wire touch screen in three different screen resolutions are used:
 - 12.1» 800 x 600 pixels (SVGA) for most standard applications
 - 12.1» 1024 x 768 (XGA) for more demanding graphical user interfaces
 - 17» 1280 x 1024 (SXGA) for applications as a clearly arranged information terminal
- **Interfaces:** A number of standard PC interfaces allow universal use and extension (internal/external serial interface, 4 x USB 2.0, 10/100MHz Ethernet, and PS/2 for mouse and external keyboard).
- **Integrable readers:** Up to two reader modules can be directly integrated into the terminal : The following standard readers are available, among others: Legic, Mifare, barcode, magnetic strip, HID, Hitag, biometrics (fingerprint CBM module). The software module 'Reader Control' delivered with the readers guarantees here the simple use of these readers with individual software partner solutions. An integration of other external readers (e.g. CCD scanner) is also possible.
- **Software:** The operating system used is the widely used Microsoft operating system WEPOS (Windows Embedded for Point of Service), which is based on Windows XP. Apart from the Kaba standard applications for time and attendance (HR5), shop floor data collection (PDC5), XML communication (XML5) and cafeteria data collection (Extension Canteen), this universal platform can also be used very well for individual partner solutions.
- **I/Os:** Four digital outputs (relays, potential-free contacts) are available for activating external peripheral devices (e.g. signal transmitters). Four optically decoupled digital inputs record external signals from sensors or contact switches (e.g. machine monitoring, clock cycles, etc.)
- **Options and accessories:** The 12.1" version is also available in IP65 protection category for enhanced requirements. As an accessory, an aluminum post enables freestanding operation, for instance as an information or kiosk terminal.



Certification according to DIN EN ISO 9001



Technical features

Power supply

- Internal power supply 100V to 250 V AC
- Current consumption: max. 350 mA at 230 V AC

Typical power consumption

- 12.1" display / Celeron M 800 MHz CPU: 27 W
- 12.1" display / Pentium M 1.6 GHz CPU: 30 W
- 17" display / Celeron M 800 MHz CPU: 42 W
- 17" display / Pentium M 1.6 GHz CPU: 45 W

Environment

- Ambient temperature: 0°C to +40°C
- No direct sunlight
- Relative humidity 10% to 90%, non-condensing
- Protection class according to IEC 60529: IP30 / IP54 / IP65 (depending on reader/display)

Housing

- 3-point locking mechanism with lock
- Fiber-reinforced plastic housing
- Simple wall installation

Dimensions and weights

Dimensions 12.1-inch display

- Width: 360 mm
- Height: 514 mm
- Depth: 212 mm

Dimensions 17.0-inch display

- Width: 460 mm
- Height: 573 mm
- Depth: 234 mm

Weight

- 12.1-inch: 10.4 kg
- 17-inch: 15.4 kg

Detailed dimensional drawings are available on our website for downloading.

Optional accessories

- External CCD scanner to USB

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