



# B-eco – the economical solution to data collection

The terminal B-eco offers a user-friendly solution for all types of data collection with user identification via RFID badge and data capturing for order processing via CCD barcode scanner.

The compact housing with a backlit, high-contrast graphic display and robust touch keyboard contains a reliable and easy-to-operate data collection system. The 15 configurable function keys with up to 18 input steps even allow data capturing of complex processes.

The integrated ethernet interface is not only used for data communication but also for power supply via Power over Ethernet (PoE). This allows easy and fast integration into an existing network. Thanks to the integrated relay, the access to employees' work areas can be authorized based on a valid time and attendance booking.

## Efficient time recording

A time and attendance terminal provides all the data required for an efficient and cost-saving time and attendance system. Even the assignment of project time for transparent project cost controlling is extremely easy thanks to the electronic data collection. Time consuming and often inaccurate manual time recording is no longer necessary and the data is instantly available for further calculations.

## Cost control through shop floor data collection

Shop floor data collection allows the best possible transparency of your company's production and allied cost structure. You are constantly informed of the progress of orders, machine utilization and material consumption in your production. This facilitates not only optimal monitoring but also efficient control of all processes in your company.

## Your benefits at a glance

### For time recording

- > More efficient payroll calculation
- > Automated accounting processes
- > Working hours calculations down to the minute
- > Better overview, increased transparency and security

### For shop floor data collection

- > Process and order monitoring in real-time
- > Optimization of individual work processes
- > Easy workforce planning
- > Basic data for job cost calculations

**Made in Germany**  
developed and produced  
in Germany

### Features of the terminal B-eco

- > **Design:** Terminal for time and shop floor data collection with
  - efficient CPU and battery-buffered memory for up to 5,000 persons and 50,000 offline bookings
  - monochrome, background-lit graphic display, 240x128 pixels
  - capacitive keypad with 5 function keys, 4 navigation keys and numeric keypad (numeric/alphanumeric)
  - two Software Clients are available (online/offline/autonomous operation) to be used with software partner applications or B-COMM ERP host software
  - comprehensive data collection functionality with freely configurable sequence for data collecting, display texts and language selection
  - easy installation, operation and device analysis in connection with B-COMM
  - alternative host communication directly via http(s) protocol
- > **Integrated reader options:**
  - LEGIC prime/advant
  - MIFARE Classic/DESFire
  - HID iClass
  - HID Prox
  - External CCD barcode scanner via RJ-45
- > **Communication:**
  - 10/100 Mbit/s Ethernet interface IEEE 802.3 compatible
  - Http or UDP communication
  - DHCP/DNS
- > **Software options:**
  - 'Partner Client' version to be used with software partner applications
  - 'ERP Client' version to be used with B-COMM ERP host software
  - Data encryption
  - Memory configurations
    - 200 persons / 4,000 data records (standard)
    - 1,000 persons / 4,000 data records
    - 4,000 persons / 8,000 data records
    - 5,000 persons / 20,000 data records
- > **In preparation:**
  - Ingress protection IP54
  - Barcode swipe reader (external)
  - Magstripe swipe reader (external)
  - Biometric fingerprint reader (add-on housing)
  - Uninterrupted power supply

### Technical features

#### Power supply

- > Power over Ethernet (IEEE 802af)

#### Environment

- > Ambient temperature:
  - 0 °C to +40 °C
- > Relative humidity:
  - 5 % to 95 % (non-condensing)
- > Ingress protection IEC/60529:
  - IP40

#### Housing

- > Robust plastic housing
  - with wall mounting plate

#### Dimensions

##### (Width x Height x Depth)

- > 200 x 150 x 35 mm

#### Hardware options

- > Capacitive keyboard with alphanumeric keypad
- > Motion sensor for direction recognition for RFID bookings
- > 2 digital inputs and relay to open the door after an authorized booking

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