

The TBS 3DGuard terminal series brings Access & Time management to a whole new level. Based on TBS unique touchless and 3D fingerprint capture technology the terminals offer:

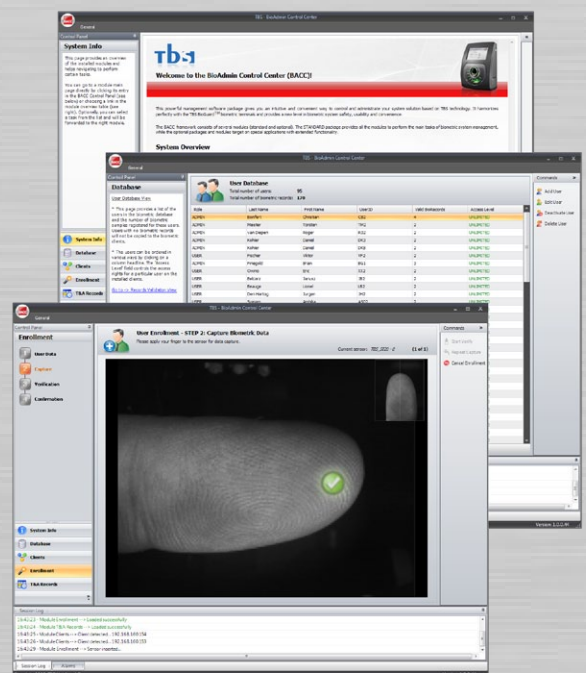
- highest security,
 - i.e. no people entering your premises without proper authorization
- highest reliability,
 - i.e. no eligible employees being refused at the entrance
- highest convenience,
 - i.e. no exception handling for persons with "difficult fingerprints" who cannot be handled by standard devices.

Although a combination with PIN or card is possible 3DGuard Terminals can perform a 1:N identification without any additional tokens – even for a very large number of users.

In addition to functionality, an elegant design and a touchscreen-based user interface make the terminals truly outstanding from the rest.



3DGuard terminals are designed for easy network integration while keeping their stand-alone functionality (in case your network is down). Various measures have been taken to prevent unauthorized access and to protect user data as well as communication channels.



To make 3DGuard a system solution rather than just a device various software options are offered.

While the TBS BioAdmin PC Edition already includes modules to setup and manage your system very conveniently, there are optional modules available to address all aspects of a flexible Access Control and Time & Attendance solution.

Key Features

Highest Security

- unique touchless 3D sensor technology
- allows capturing of bigger and more detailed finger images
- high quality touch sensor available as an option
- various anti-spoof and anti-tamper mechanisms

Superior Biometric Performance

- no failure to Enroll
- 1:N identification for small and large databases
- lowest error rates due to better image quality and highly optimized biometric algorithms
- high-end CPU for optimized processing speed

Complete System Solution

- standalone terminal for Access Control and Time & Attendance applications
- easy network integration via LAN or WLAN
- various I/O options
- powerful management software included, SDKs available

Easy Installation & Operation

- optimized for wall-mounting
- touchscreen user interface
- low maintenance

Stylish and Customizable Design

Specifications

Model	TBS Biometric Terminals: '3DGuard' and '2DGuard'
Sensor Technology	– 3DGuard: Touchless, multi-view, 500 dpi – 2DGuard: Touch-based optical, 500 dpi
Terminal Features	– 4.3" LCD (480 x 272 pixels) with Touchscreen – Replaceable sensor component – RFID reader (optional), supports Mifare / NFC
Biometric Capabilities	– Modes: Identification (1:N) and Verification (1:1) – Capture time: < 1s – Identification time: < 2s – Database capacity: 10,000 users (base model), extensible
Security Features	– Multi-level data encryption – Integrated tamper circuit – Liveness detection (optional)
Communication	– LAN (10/100MBit) – WLAN (802.11g, optional) – USB 2.0 Device
I/O Interfaces	– Relay output (2x) – Wiegand I/O (2x) – TTL I/O (2x) – RS232/485
Other	– Microphone / Speaker – Camera (optional)
Operating Conditions	– Input Supply Voltage: 9..30V DC, min. 36W – Operating Temperature: 0..60°C – Humidity: 10..90% (Non-condensing)
Dimensions	– 146 x 206 x 95 mm (W x H x D)
Product Contents	– Biometric Terminal – external power supply 18V DC / 2A (optional)
Certifications	CE

