



## BIOMANAGER ENTERPRISE

Introducing the new TBS server software platform: BIOMANAGER ENTERPRISE, the ultimate tool to manage your biometric solution from TBS. User and device management made easy, with extra functionality on demand to fulfill your extended needs.

# BIOMANAGER ENTERPRISE

Unlock the potential of a web-driven software System

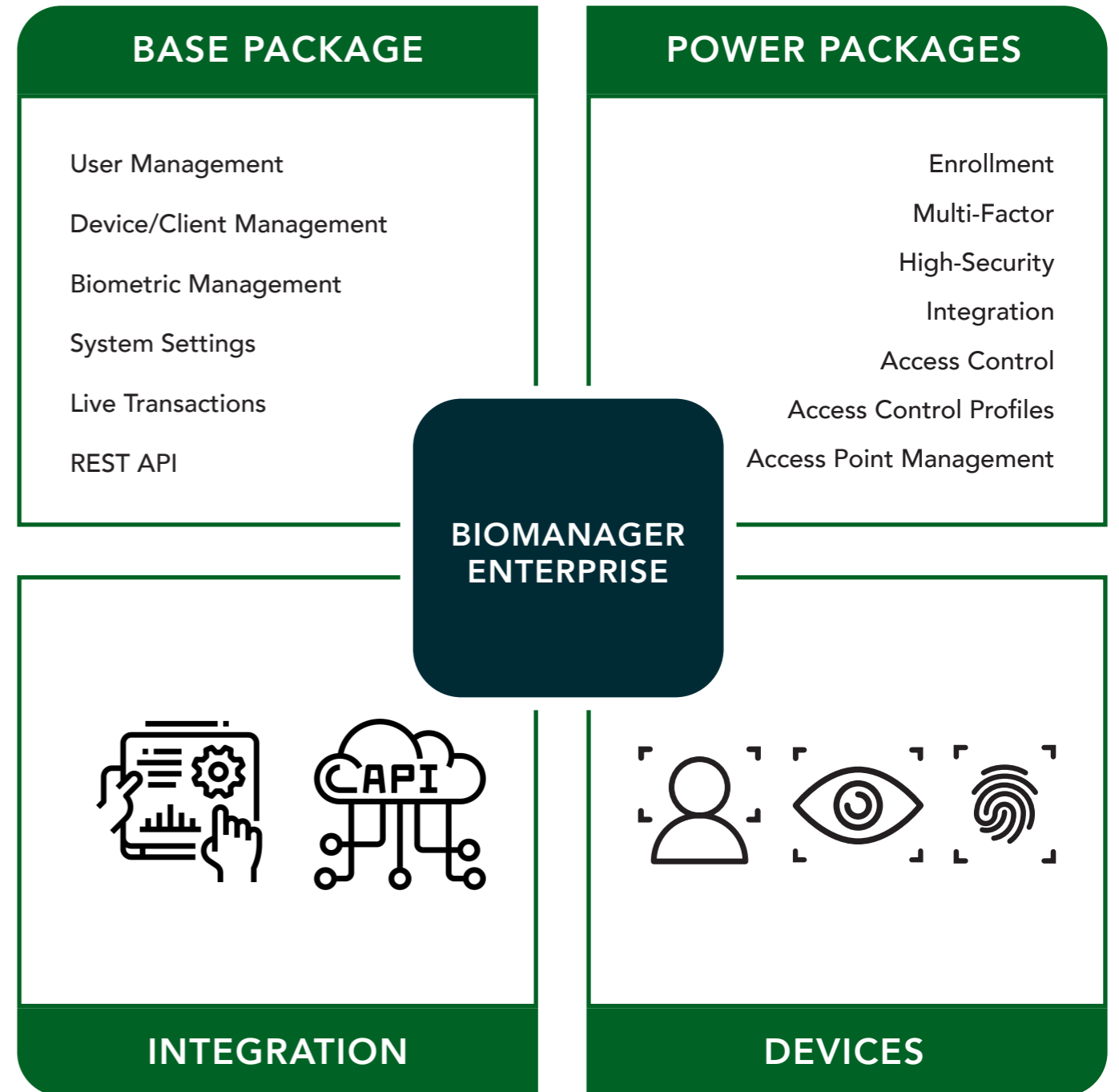


TBS BIOMANAGER ENTERPRISE is a powerful, secure and feature-rich web-based software platform that provides comprehensive functionality to manage biometric user data and devices.

With its advanced encryption technology, all biometric data is securely stored and protected. The scalability of the platform allows for large multi-site deployments and the available web APIs greatly simplify integration with other systems.

BIOMANAGER ENTERPRISE assures that your biometric user data and biometric devices are managed with the highest level of security, reliability and efficiency.

With our proactive development approach, we stay on top of the latest security requirements to give you confidence your data is always in safe hands.



# BIOMANAGER ENTERPRISE

Discover the benefits

## ■ SECURITY

TBS BIOMANAGER ENTERPRISE offers the highest level of security for all data in rest and transit. Using the latest available encryption methods even qualifies the platform for FIPS 140 compliance. Account and role based operation in combination with sophisticated security mechanisms ensures no data can be accessed by unauthorized persons. Regular updates safeguard the system against possible upcoming vulnerabilities.

## ■ INTEGRATION

TBS BIOMANAGER ENTERPRISE is designed to simplify integration with third-party software through REST based web services. Moreover, the available seamless enrollment integration supports a simplified and unified user interface and user experience, while our 3rd party API adapters ensure compatibility to many of the world's leading PACS.

## ■ FLEXIBILITY

TBS BIOMANAGER ENTERPRISE gives you the flexibility to select only the functionality you need, on server and device side. Use the base package right away or empower your installation by adding extension packages, you decide what version of BIOMANAGER fits you and your installation best. Moreover, feel free to deploy your TBS solution on-premise or in the cloud, based on the powerful and scalable Microsoft Azure™ platform.

## ■ VERSATILITY

TBS BIOMANAGER ENTERPRISE is your powerful tool to manage all biometric devices from TBS. You are free to combine various biometric modalities, like fingerprint, iris, or face recognition, with non-biometric authentication factors like card, PIN code or mobile access. Be also invited to describe your special needs, we understand there is no one-fit-for-all solution and we are always willing to go the extra mile to realize your project needs. TBS is your biometric solution provider.

## ■ ACCOUNTABILITY

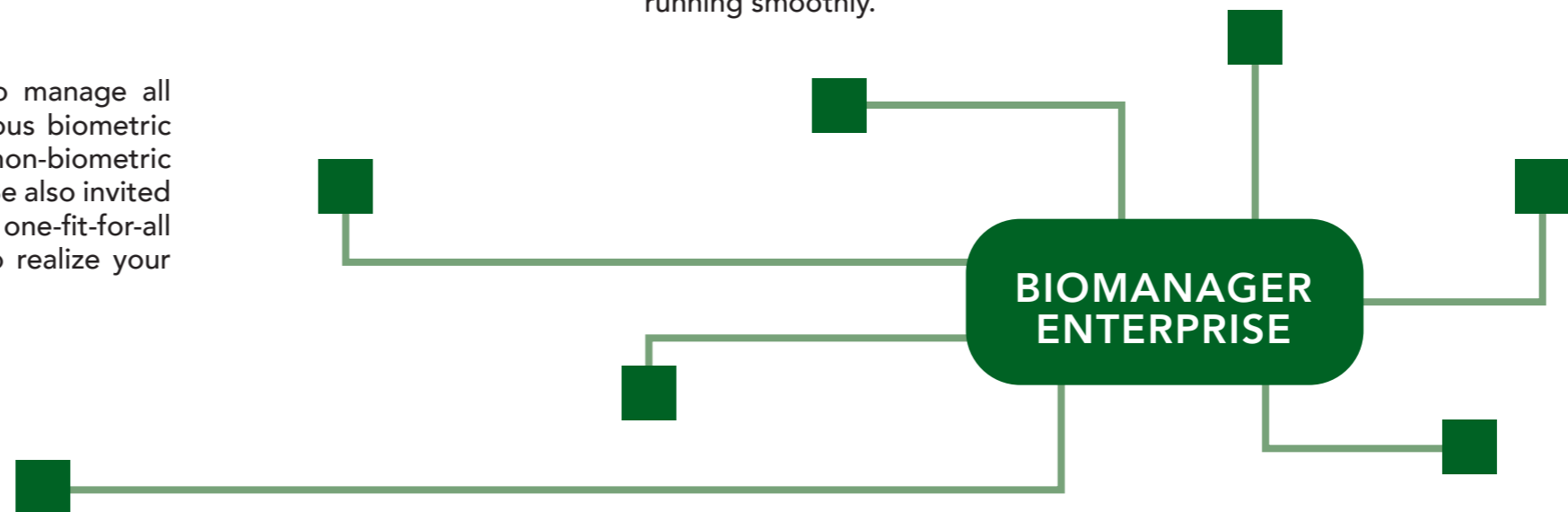
TBS BIOMANAGER ENTERPRISE provides a comprehensive level of accountability, with real-time and offline monitoring of transactions and system events. With these advanced auditing capabilities your business is always secure and protected. Further enhancements will be provided with the upcoming new feature "Active Device Monitoring", giving operators real-time and historical information about various device parameters at hand.

## ■ SCALABILITY

TBS BIOMANAGER ENTERPRISE is prepared for scalability, to keep pace with your growing business needs. Extend the list of users and operators at any time, or add devices to your installation. The TBS software always ensures that all devices are in perfect sync with the user data on the TBS server. Advanced features like tenants, zone and schedule management are also available, to optimally partition larger installations or reflect special access rights.

## ■ SIMPLICITY

TBS BIOMANAGER ENTERPRISE greatly simplifies your work with the biometric solution, from initial setup to daily operation. From the simple but powerful installation wizard up to the intuitive user interface: we strive to save your valuable time and resources while ensuring your business is running smoothly.



# BIOMANAGER ENTERPRISE

## Base package



**User Management Dashboard**

**Client Management Dashboard**

**Live Transactions**

Timestamp	Client name	Authentication	Authorization	User ID	Full Name	Context
2023-02-21 11:28:25	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	COMING_CUSTO...
2023-02-21 11:28:55	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	COMING_CUSTO...
2023-02-21 11:28:32	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:24:12	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:22:27	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:21:19	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:21:09	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:20:04	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:19:58	2D IRON ...	NO_IDENT	UNKNOWN			UNKNOWN
2023-02-21 11:19:52	2D IRON ...	IDENT_OK	ACCESS_OK	15484	Andreas G...	UNKNOWN
2023-02-21 11:19:42	2D IRON ...	NO_IDENT	UNKNOWN			UNKNOWN
2023-02-21 11:04:13	2D IRON ...	NO_IDENT	UNKNOWN			UNKNOWN

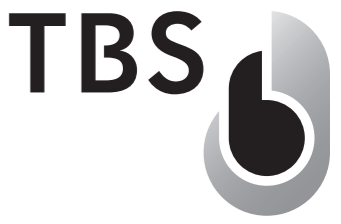
The BIOMANAGER ENTERPRISE base package provides all the key functionality to manage your user data and biometric devices intuitively. The base package includes these modules:

- **User management:** Manage users with their biometric data efficiently. Create, delete and modify user data, assign ID values and set the person's role on TBS devices.
- **Client management:** Manage your biometric devices and enrollment clients with ease. Activate them with a single click, configure advanced features remotely and verify the status at any time.
- **Biometric Management:** Easily access (review or delete) all biometric templates (records) of a user to maintain an up-to-date database.
- **Live transactions:** See live the incoming bookings from all connected devices (for the last 24 hours), with complete context information (coming, leaving, etc.).
- **System management:** Manage operators, control basic maintenance options and modify system settings easily.
- **REST API:** Connect other systems easily by using our server side REST APIs. Control content remotely or retrieve transactions to be processed in your software.



# BIOMANAGER ENTERPRISE

## Power Packages



1

### Enrollment

The Enrollment package adds direct enrollment options to BIOMANAGER ENTERPRISE. Both central enrollment (via connected USB sensor) and remote enrollment (on any TBS device in the network) are supported. The Event log feature is also included, to make enrollment attempts accountable.

2

### Multi-Factor

The Multi-Factor package brings additional authentication factors to TBS devices, like QR Code or Mobile access. Availability depends on device model.

3

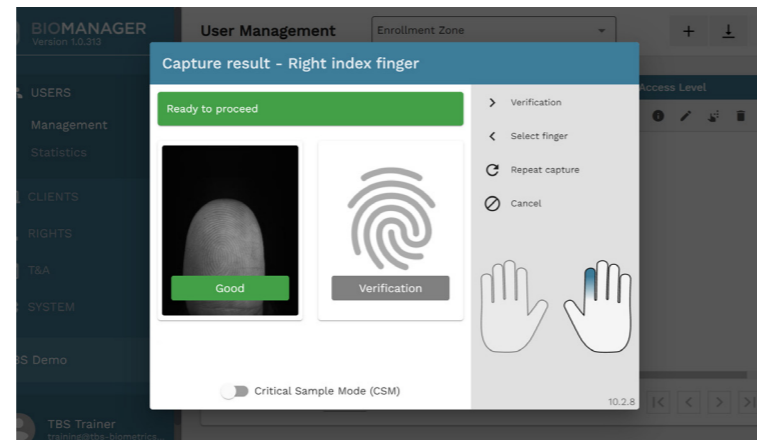
### High-Security

The High-Security package includes support for custom SSL certificates and allows an installation specific encryption of biometric templates. Moreover, liveness detection features are enabled on qualified devices.

4

### Integration

The Integration package provides access to ready-made software adapters to leading third party software systems. It also enables our legacy SOAP API for partners that do not support REST API yet.



5

### Access Control

The Access Control package introduces extended access control features like multi tenancy, rights management and anti-passback functionality. Transaction history and export as well as detailed event log are also included.

6

### Access Control Profiles

The Access Control Profiles package brings ready-to-go functionality for predefined access control scenarios, like alarm system access or extended door control. Transaction history and export as well as detailed event log are also included.

7

### Access Point Management

The Access Point Management package adds special functionality to handle multiple selection scenarios like key cabinets to TBS devices. Transaction history and export as well as detailed event log are also included.

Timestamp	Source ID	Source Name	Description
2022-12-12 15:13:38	9301C2200184700	3D AIR (22)	Thomas Muster (ID 007) was authorized for ADMIN, inp...
2022-12-12 15:13:03	9301C2200184700	3D AIR (22)	Thomas Muster (ID 007) was authorized for ADMIN, inp...
2022-12-12 11:46:01	210110AE100178900	2D SENSE TCOM3 (Andreas)	Thomas Muster (ID 007) has been re-enrolled!
2022-12-12 11:42:33	9301C2200184700	3D AIR (22)	Thomas Muster (ID 007) has been re-enrolled!
2022-12-07 21:00:00	100H70401018A800	Rest TPRO100	Libor Vasallo (ID LV) was authorized for ADMIN, inputs...
2022-12-07 09:25:29	480128640018D100	Rest TPRO200	User (ID unknown) was NOT authorized for ADMIN, inp...
2022-12-07 08:43:55	480128640018D100	Rest TPRO200	Libor Vasallo (ID LV) was authorized for ADMIN, inputs...
2022-12-07 08:23:41	00051881E20090	Rest TCOM400	Libor Vasallo (ID LV) was authorized for ADMIN, inputs...
2022-12-07 08:21:56	480128640018D100	Rest TPRO200	Libor Vasallo (ID LV) was authorized for ADMIN, inputs...
2022-12-07 08:21:49	480128640018D100	Rest TPRO200	User (ID unknown) was NOT authorized for ADMIN, inp...

Timestamp	Client name	Authentication	Authorization	User ID	Full Name	Context
2022-11-23 21:00:00	Rest TPRO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-16 15:30:19	Rest TCO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-16 15:29:44	Rest TCO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-16 15:29:24	Rest TCO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-16 15:18:29	Rest TCO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-16 15:14:59	Rest TCO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-15 16:55:41	Rest TCO...	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-15 12:19:12	Rest	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN
2022-11-15 11:55:08	Rest	IDENT_OK	ACCESS_OK	LV	Libor Vasa...	UNKNOWN

# BIOMANAGER ENTERPRISE

Configure your personal biometric Plan with TBS subscription

	CLOUD – monthly fee		
	Basic	Standard	Premium
<b>BIOMANAGER ENTERPRISE Base Package</b>			
User Management	✓	✓	✓
Device/Client Management	✓	✓	✓
Biometric Management	✓	✓	✓
System Settings	✓	✓	✓
Live Transactions	✓	✓	✓
REST API	✓	✓	✓
Max. Users / Devices	500/10	5000/100	Unlimited

	ON PREM – monthly fee		
	Basic	Standard	Premium
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	500/10	5000/100	Unlimited

	ON PREM – one time license		
	Basic	Standard	Premium
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	500/10	5000/100	Unlimited

	Basic	Standard	Premium
<b>BIOMANAGER ENTERPRISE Power Packages</b>			
Enrollment	○	✓	✓
Multi-Factor	○	✓	✓
High-Security	○	○	✓
Integration	○	○	✓
Access Control	○	○	○
Access Control Profiles	○	○	○
Access Point Management	○	○	○

	Basic	Standard	Premium
	○	✓	✓
	○	✓	✓
	○	○	✓
	○	○	✓
	○	○	○
	○	○	○
	○	○	○

	Basic	Standard	Premium
	○	✓	✓
	○	✓	✓
	○	○	✓
	○	○	✓
	○	○	○
	○	○	○
	○	○	○

	Basic	Standard	Premium
<b>Support and Updates</b>			
Qualified 3rd Level support Mon-Fri , Support on demand (15 min. invoice)	✓	✓	✓
Software Upgrade	✓	✓	✓
Firmware Upgrade	✓	✓	✓

	Basic	Standard	Premium
	✓	✓	✓
	✓*	✓*	✓*
	✓*	✓*	✓*

	Basic	Standard	Premium
	○	○	○
	○	○	○
	✓	✓	✓

○ = optional  
 \* = Software download is provided

Reach out to your TBS associate or email [sales@tbs-biometrics.com](mailto:sales@tbs-biometrics.com) for pricing details!



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