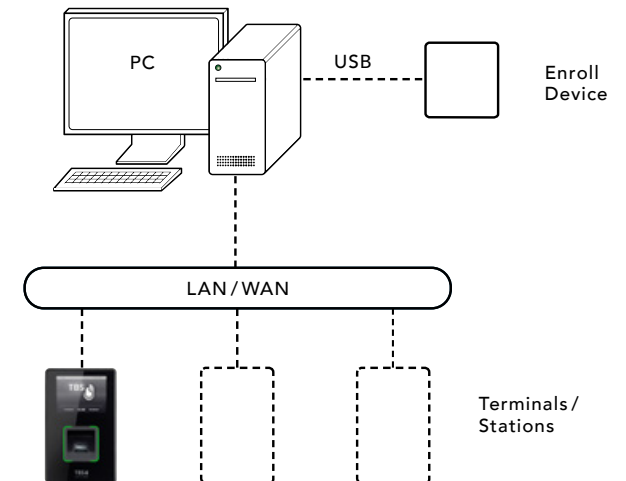


TOUCH  
FINGERPRINTING

## 2D TERMINAL

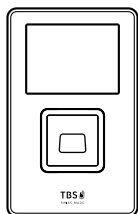
Touch-based biometric terminal for high security and multi-functionality at point of access.

- Optical touch sensor, FBI certified
- Excellent identification performance
- Access Control, Time & Attendance (T&A)
- In- and outdoor use
- Flush or surface mount
- Identification or PIN-verification
- Small- and medium-sized user groups
- Personalizable touchscreen
- User-friendly operation and configuration
- Customer-specific modifications
- Stand-alone and network capability
- Vandalism resistant



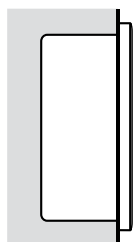


2D  
TERMINAL



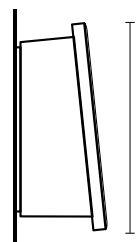
100 mm

Flush mount



60 mm 11 mm

Wall mount



75 mm

160 mm

Touchless Biometric Systems AG  
Rietbrunnen 2  
8808 Pfäffikon SZ  
Switzerland  
tbs@tbs-biometrics.com  
www.tbs-biometrics.com

		3D ENROLL	3D TERMINAL	2D ENROLL	2D TERMINAL	2D STATION	2D MINI	2D MINI HOME	1D TERMINAL	1D CARD STATION	SMART CONTROLLER
Applications	Access Control	•	•	•	•	•	•	•	•	•	•
	Time & Attendance	•	•	•	•	in/out	in/out		•	in/out	
	Civil/Criminal	•		•							
Sensor	Touchless, 3D-Multiview	•	•								
	Optical Touch, FBI-certified			•	•	•	•	•			
User Interface	5.0" Touchscreen		•								
	3.5" Touchscreen				•				•		
	RFID		(•)		(•)	•			•	•	
	PIN		•		•				•		
	Camera		(•)								
	Loudspeaker		•								
	Beeper					•	•	•	•	•	
Biometrics	Identification (1:N)		•		•	•	•	•			
	Verification (1:1)		•		•	•					
	1:N Database Size Limit		10'000 <sup>1</sup>		5'000	5'000	1'000	1'000	100'000	100'000	
	1:1 Database Size Limit		100'000		100'000	100'000	100'000	100'000	100'000	100'000	
	FRR at FAR 1:100'000		<0.5%		<2%	<2%	<2%	<2%	0%	0%	
	Standalone Capability		•		•	•	•	•	•	•	
Communication	LAN		•		•	•	•	•	•	•	
	WLAN		(•)		(•) <sup>2</sup>	(•) <sup>2</sup>	(•) <sup>2</sup>	(•) <sup>2</sup>	(•) <sup>2</sup>	(•) <sup>2</sup>	
	USB	•		•							
Interfaces	RS 232 / RS 485		•		•	•	•	•	•	•	•
	Wiegand		•		•	•	•	•	•	•	•
	Relay Output		(2)		1	1	1	1	1	1	2
	I/O		(1/1)								2/2
Security	Liveness Detection	(•)	(•)								
	Multi-level Data Encryption		•		•	•	•	•	•	•	
	Template on Card		(•)		(•)	(•)					
	Anti-tampering / Silent Alarm		(•)		(•)	(•)	(•)	(•)	(•)	(•)	
Conditions	Input Supply Voltage DC	5V	9-30V	USB	9-30V	9-30V	9-30V	9-30V	9-30V	9-30V	9-30V
	Max. Power Rating	20W	25W		15W	10W	10W	10W	10W	10W	5W
	Operating Temperature in °C	0-60	-20-60	0-60	-20-60	-20-60	-20-60	-20-60	-20-60	-20-60	0-60
	Humidity 10-90%	•	•	•	•	•	•	•	•	•	•
Mounting	Wall mount <sup>3</sup>		•		•	•			•	•	•
	Flush mount / Outdoor <sup>3</sup>		•		•	•	•	•	•	•	
	Outdoor kit <sup>3</sup>		(•) <sup>4</sup>		(•) <sup>4</sup>	(•) <sup>4</sup>	(•) <sup>4</sup>	(•) <sup>4</sup>	(•) <sup>4</sup>	(•) <sup>4</sup>	
Certifications	CE	•	•	•	•	•	•	•	•	•	•

( ) = optional

1 = extendable

2 = outside of device

3 = all devices must be protected against direct sunlight

4 = required if not sheltered