

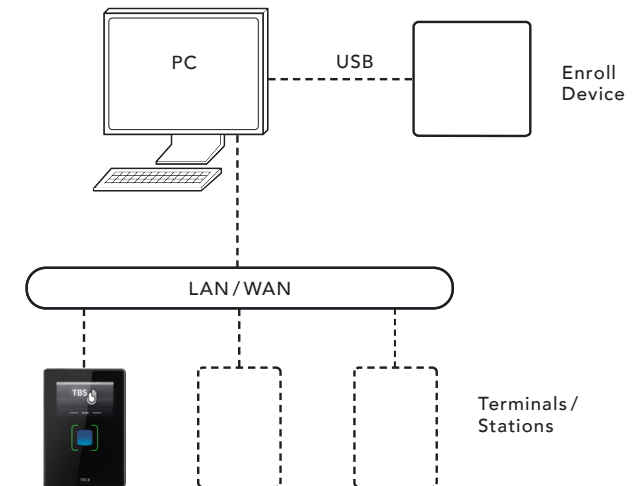


MULTISPECTRAL
FINGERSCANNING

2D+ TERMINAL

TBS technology combined with world's best touch sensor for highest security and multifunctionality at point of access.

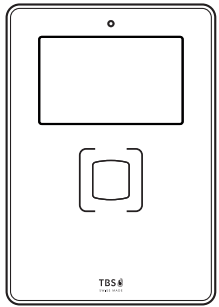
- Multispectral sensor HID Lumidigm™
- Access Control, Time and Attendance (T&A)
- Excellent liveness detection / spoof prevention
- Designed for harsh environments
- In- and outdoor use
- Flush or surface mount
- Superior identification performance
- Identification or verification
- Small- and large-sized user groups
- Personalizable touchscreen
- Variable configuration and customizing
- Various RFID Options
- Stand-alone and network capability



reddot design award
honourable mention 2012



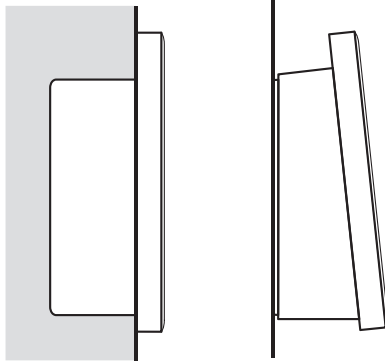
2D+
TERMINAL



160 mm

Flush mount

Wall mount



66 mm 22 mm

95 mm

230 mm

Touchless Biometric Systems AG
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		3D ENROLL	3D TERMINAL	2D ENROLL	2D+ TERMINAL	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			•		•	•	•	•			
	Multispectral				•							
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 ¹		10'000	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	100'000	
	FRR at FAR 1:100'000		<0.5%		<1%	<2%	<2%	<2%	<2%	0%	0%	
	Standalone Capability		•		•	•	•	•	•	•	•	
Communication	LAN		•		•	•	•	•	•	•	•	
	WLAN		(•)		(•)	(•) ²	(•) ²	(•) ²	(•) ²	(•) ²	(•) ²	
	USB	•		•								
Interfaces	RS 232 / RS 485		•		•	•	•	•	•	•	•	•
	Wiegand		•		•	•	•	•	•	•	•	•
	Relay Output		(2)		(2)	1	1	1	1	1	1	2
	I/O		(1/1)		(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	9-30V
	Max. Power Rating	20W	25W		15W	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	-20-60	0-60
	Humidity 10-90%	•	•	•	•	•	•	•	•	•	•	•
Mounting	Wall mount ³		•		•	•				•	•	•
	Flush mount / Outdoor ³		•		•	•	•	•	•	•	•	
	Outdoor kit ³		(•) ⁴		(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	
Certifications	CE	•	•	•	•	•	•	•	•	•	•	•

() = optional

¹ = extendable

² = outside of device

³ = all devices must be protected against direct sunlight

⁴ = required if not sheltered