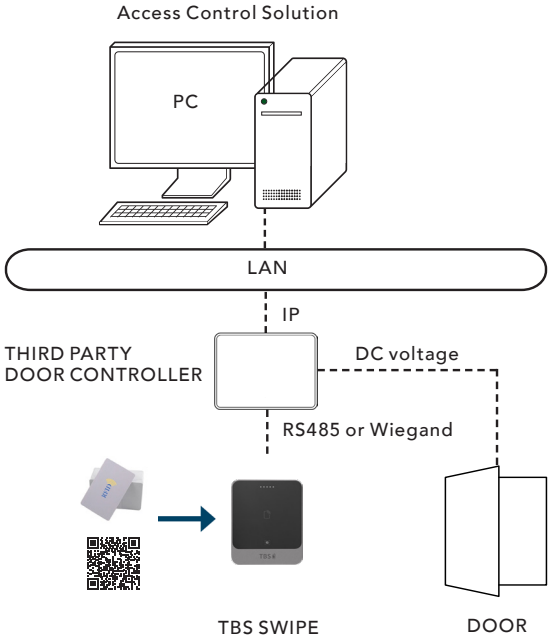
RFID READER

# TBS SWIPE EP20

TBS SWIPE EP20 authenticates classic RFID cards. Add it as card reader to your access control solution, or connect it to the TBS Biometric System to equip access points where the customer prefers a low-cost reader instead of the high security of biometric readers. TBS SWIPE EP20 supports QR code scanning.

- Multi-tech RFID reader:
  MIFARE Classic/DESFire
  HID iClass
  Low frequency cards
- Connected to any third party controller via RS485 (OSDP) or Wiegand
- Connected to TBS CONTROLLER SMART via RS485 (OSDP), up to 4x SWIPE to one controller
- IP68 water & dustproof
- Reader Mode (no write mode)
- Compact Wall Mount Design
- 5 Year Warranty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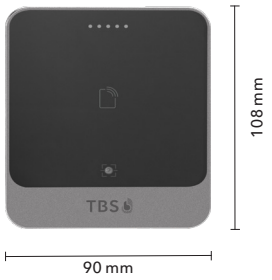
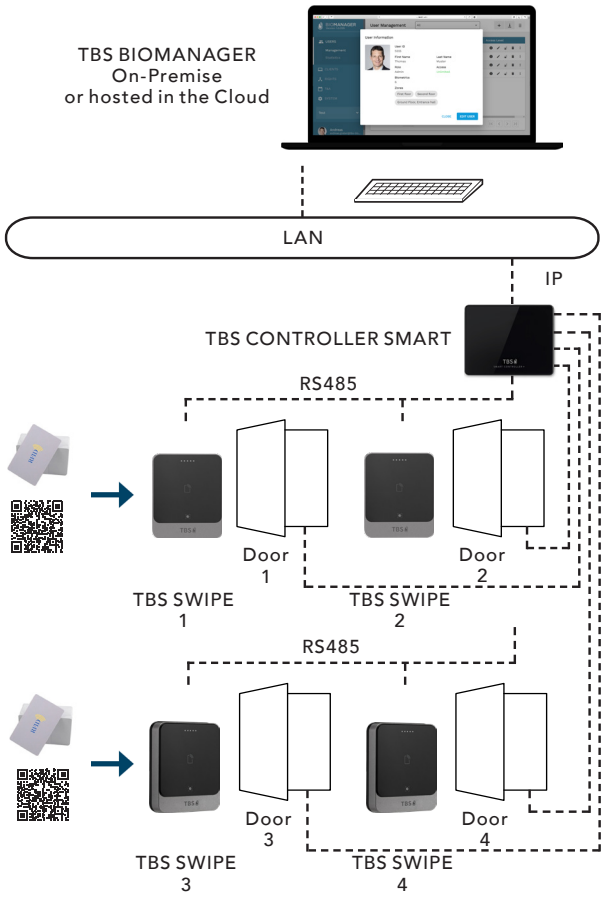
# TBS SWIPE EP20

## Dimensions





## Architecture when connected to TBS Biometric System




## Technical Specifications

| | |
|---|---|
| Operating Frequency | 125 kHz<br>13.56 MHz: ISO14443 types A & B, ISO15693 |
| RFID / NFC | MIFARE Classic, MIFARE DESFire<br>MIFARE UL compliant |
| Connectivity | OSDP (v2.2) via RS485, Wiegand |
| Reading Distance | RFID: up to 60 mm (depending on environment and transponder)<br>Up to 10m with a Bluetooth smartphone |
| QR CODE Reading | **Supported** |
| Signalling | Visual signalling: RGB LEDs<br>Audio signalling: Internal buzzer with adjustable intensity |
| Data Protection | AES128 (secured communication between reader & controller)<br>Secure data storage in EAL6+ certified crypto chip |
| Tamper Switch | Magnetic tamper detection<br><br>Polycarbonate UL94-V0 & UL746C (F1) |
| Housing Material | UV Stability: No structural degradation in 3 years<br>Reinforced vandal-proof structure IK10 certified |
| Certifications | CE, FCC, RoHs3.0, WEEE, UL294<br>Weather & dust protection compliant with IP68 |
| Mounting | Wall-mount door installations or any flat surface mounting |
| Environment | Operating temperature -30°C to 70°C |
| Power Supply | 9 to 24 VDC |
| Dimensions | H x W x D = 108 x 90 x 24 mm |

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06/2024