



## OP200

Next-generation fingerprint reader for Fast and Simple Biometric Security Upgrades. Designed for AMAG customers.

OP200 unique hardware integration with Symmetry completely eliminates the need for middleware when adding fingerprint readers to your network.

Numerous benefits derived from eliminating middleware include:

- Saves money. No licenses to purchase.
- Saves time. No software to install.
- Fast direct communication with Symmetry.
- Optimal uptime. Not dependent upon computer.
- Never the need for software upgrades.
- Never the need for software maintenance.

### OP200 features



#### Symmetry Integration:

OP200 firmware communicates directly with Symmetry and automatically synchronizes needed customer user data. Eliminates need for middleware. Eliminates need to manually create users in the biometric readers.



#### Biometric Performance:

Advanced SilkID fingerprint recognition technology delivers optimal accuracy, matching speed and powerful fake finger detection.



#### Auto Data Synchronization:

Multiple OP200s automatically synchronize fingerprint templates. Eliminates need for middleware. Eliminates need to separately manage templates.



#### Communication:

Wiegand-Out to AMAG access control panel  
TCP/IP and RS485 ports for data communication  
USB port for offline data management



#### Authentication Options:

(single or multi-factor)

- ✓ Fingerprint
- ✓ RFID (ZKAccess, HID, iClass, Mifare, Desfire & Legic)



#### Capacity:

3,000 fingerprint templates  
30,000 cards  
100,000 transactions

# Installation and Operation steps

## Installation Steps

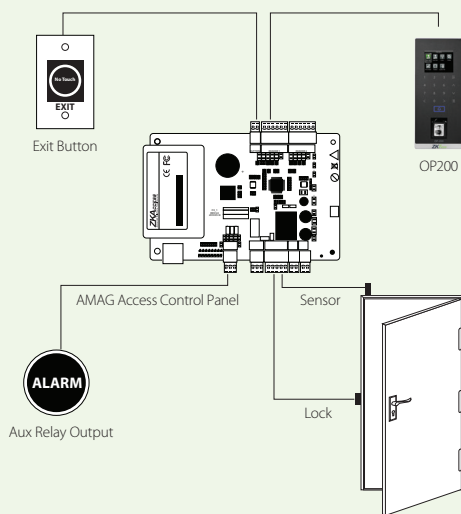
- Provide 12V power and network cables near OP200 Master reader and slave reader wall mounts.
- Connect power and network cable to OP200 Master reader and slave readers. Make note of OP200 Master reader's IP address. Configure slave readers with OP200 Master's IP address.
- Install OP200 driver (data conduit) on computer running Symmetry and enter IP address of OP200 Master reader.
- Symmetry user-data automatically synchronizes with OP200 Master. After synchronization, enroll fingerprints either directly on OP200 Master reader or on SilkID fingerprint enrollment reader (connected to computer running Symmetry).
- Installation is complete. OP200 Master reader will automatically synchronize user data and fingerprint templates amongst OP200 slave readers whenever changes occur.

## Operation

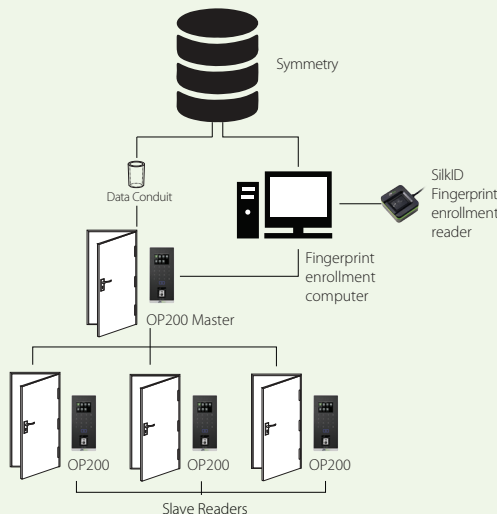
- Once user data and fingerprint templates are automatically synchronized between Symmetry and OP200 Master reader, OP200 slave fingerprint readers are now ready for operation.
- When users authenticate to an OP200 slave reader with their credential (i.e. fingerprint and/or card) at the door, the OP200 slave reader will query its embedded database for a credential-match. Upon positive match the OP200 slave reader will transmit the user ID to the AMAG panel via Wiegand. If the panel determines that the user has appropriate access rights, the AMAG panel will unlock the door, accordingly.

Note any subsequent change in users (from Symmetry) or fingerprint templates (on OP200 Master) are automatically synchronized with OP200 slave readers on the network.

## Hardware Diagram



## Data Communication Flow



## Part Numbers

**OP-200-ID**  
OP-200 with fingerprint & ZKAccess ID card reader

**OP-200-HID**  
OP-200 with fingerprint & HID 125 kHz card reader

**OP-200-iClass**  
OP-200 with fingerprint & HID iClass card reader

**OP-200-M**  
OP-200 with fingerprint & Mifare card reader

## ZKTeco USA

6 Kingsbridge Road, Unit 8, Fairfield, NJ 07004  
Phone: (862) 505-2101 • Fax: (862) 204-5906 • sales@zkaccess.com • www.zkaccess.com

© Copyright 2016. ZKTeco Inc. ZKTeco Logo and ZKAccess Logo are registered trademarks of ZKTeco or a related company. All other product and company names mentioned are used for identification purposes only and may be the trademarks of their respective owners. All specifications are subject to change without notice. All rights reserved.

