



# FingerKey® DX Series

## Fingerprint Readers

### Fingerprint

The FingerKey product measures unique fingerprint pattern characteristics to verify the person's identity. In conjunction with a pin or smart card, the enrolled individual can gain access to the facility.

### How to verify

- Enter ID
- Place finger on sensor using ridge lock to ensure correct placement
- Optical sensor captures an image of your fingerprint
- Algorithm extracts unique points from the image
- Algorithm then converts the data into a unique mathematical template
- FingerKey compares the information with the original template
- User's identity verified and their access control privileges checked



### Style, quality and lots of options

With the FingerKeys, your fingerprint is your credential for reliable one to one matching.

- High quality optical sensor
- Stylish terminal with keypad and LCD easily blends into any environment
- Various options for external card reader inputs
- Flexibility to write template on smart card instead of on a database for higher security and unlimited user population
- Field upgradeable and expandable memory options from 250 to 2,000 users for scalable security that grows with your needs
- Configurable Wiegand output to suit your specific needs
- Field upgradeable Ethernet
- Tough polycarbonate construction

Models	DX-2000	DX-2100	DX-2200	DX-2400
Description	FingerKey with 250 user memory	FingerKey with integrated HID Prox. reader	FingerKey with integrated HID iClass reader	FingerKey with integrated MIFARE or Desfire reader

## Base Model **DX-2000**

<b>Description</b>	Fingerprint reader with base memory for 250 users
<b>Verification Time</b>	≤ to 2 seconds for comparison to reference template
<b>ID Number Length</b>	1 – 15 digits
<b>Duress Code</b>	Alternate finger
<b>Communication</b>	RS-232: Baud rate 4900 to 57600 bps RS-422: Baud rate 4900 to 57600 bps Optional Ethernet: 10 Base T
<b>Template Size</b>	400 bytes per template, 2 templates per finger
<b>User Memory</b>	250 users expandable to 2,000 users
<b>Inputs</b>	Card reader inputs: Standard: 26 bit, 9 bit ID Wiegand Optional: Mag stripe, bar code, smart card
<b>Outputs</b>	Card reader emulation mode: Wiegand, mag stripe
<b>Event Monitoring</b>	Tamper: FingerKey opened or removed ID refused: User not verified after user definable number of tries exceeded Duress: User entered duress code digit
<b>Programmable FingerKey Commands</b>	<ul style="list-style-type: none"><li>• Add / remove users</li><li>• Set global operating thresholds</li><li>• Set individual user data (authority or threshold levels, time zones)</li><li>• Transmit data from Master to Remote</li><li>• Data received by Master from Remote</li><li>• Transmit / receive data from optional software</li><li>• Check status of door (Tamper, Door monitor switch)</li><li>• Set language</li></ul>
<b>Antimicrobial</b>	NA
<b>Blue Hand Outline</b>	NA
<b>Dimensions WxHxD</b>	5.31 in. x 5.03 in. x 2.98 in. 13.49 cm x 12.78 cm x 7.57 cm
<b>Power Requirements</b>	12 VDC +- 10% reg. 0.5A max
<b>Weight</b>	1.00 lbs (0.45 kgs)
<b>Temperature</b>	Operating: 0 deg C to + 45 deg C / 32 deg F to 113 deg F Non-Operating (Storage): -10 deg C to + 60 deg C
<b>Relative Humidity</b>	Operating: 20% to 80% RH Non-condensing Non-operating (Storage): 5% to 85% RH Non-condensing

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