Put your trust in the name you know

For over 90 years, the Schlage® brand has been recognized for innovative security solutions for homes, schools, hospitals, government facilities and commercial buildings. Today, Schlage is at the forefront of cutting edge technology with electronic locking, wireless access, biometric and smart card solutions.

Schlage products are manufactured by Allegion – a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries.

You can buy our products knowing that you have the support of one of the most well respected names in the security industry and a global leader committed to technology and innovation.

Reliable and accurate biometric time and attendance technology

As the leader in security solutions, Allegion’s advanced engineering team includes specialists in the design and development of biometric devices for access control and workforce management applications. With offices and labs located in the heart of California's Silicon Valley, our biometric team has developed a comprehensive line of the most consistently accurate and reliable time and attendance products on the market.

When you choose Schlage biometric HandPunch® terminals, you can count on a time-tested hand geometry solution that is easy to install, operate and maintain. That means fewer service issues for you and low total cost of ownership.

Most of all, you'll get incredibly accurate and reliable time and attendance records to meet all of the latest compliance requirements.
What is hand geometry?

Hand geometry measures the size and shape of a hand using over 90 distinct measurements to verify identity. These include length, width, thickness and surface area. It does not read fingerprints or palm prints.

Hand geometry is considered the most industrial biometric in the market because it accurately verifies employee identity in environments where dirt, dust, and wet conditions limit accuracy of other biometrics. Verification takes less than 1 second, so even large groups of employees can be verified quickly and efficiently.

Biometrics and privacy

The HandReader does not collect and store an image of the employee’s hand. Instead, it converts the image to a 9-byte numerical template which is a mathematical representation of size and shape of the hand. The numerical template is stored in a memory location which is defined by the person’s ID number and adjusted with each use to accommodate subtle changes.

No personally identifiable characteristics such as scars, marks, tattoos, fingerprints or palm prints are captured or detected by the HandReader.

Biometric verification - how it works.

- Enter ID
- Place hand on blue outline on platen
- Camera captures a digital image
- Image is converted and compared to user’s template
- Upon successful verification, the quality of match is scored and displayed
- Score provides user feedback to help improve accuracy of hand placement

Hand geometry has been successfully applied longer than any other biometric

- The rugged nature and consistent accuracy of data capture has made hand geometry a trusted technology for over 30 years
- Over 600,000 units are installed around the world today
Why use HandPunch terminals?

Workforce identification through the uniqueness of the human hand can:

- Eliminate buddy punching to ensure the right people are clocking in and out
- Reduce compliance risk by providing accurate time records and breaks
- Reduce costs by eliminating the need for credentials

Hand geometry is a time-tested solution for almost any industry.

- Hospitality
- Manufacturing
- Hospitals
- Healthcare
- Education
- Critical Infrastructure
- Construction sites
- Financial Institutions
- Commercial
- Government

How hand geometry compares to other biometrics

<table>
<thead>
<tr>
<th>Technology</th>
<th>Advantages</th>
<th>Disadvantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fingerprint</td>
<td>False accept rate can be lower (depends on product)</td>
<td>Large template requires more memory which can limit number of users</td>
</tr>
<tr>
<td></td>
<td>Pricing may be lower (depends on application)</td>
<td>Tend to have higher false reject rate (depends on product)</td>
</tr>
</tbody>
</table>

| Iris scanning | False accept rate can be lower (probably the lowest of all biometrics) | Tend to have higher false reject rate |
|              | Touch-free | Large template requires more memory which can limit number of users |
|              |            | Problems with lighting, eyeglasses and contact lenses |
|              |            | Perceived as more intrusive |

| Facial | False accept rate can be lower (depends on product) | Large template requires more memory which can limit number of users |
|        | Touch-free | Tend to have higher false reject rate |
|        |            | Perceived as more intrusive |
|        |            | Problems with lighting, eyeglasses, hats, hair styles, weight gain, facial hair, etc. |

Leverage biometric technology to meet compliance requirements, decrease costs, and increase efficiency

With challenges created by Affordable Care Act reporting requirements, higher competition, and decreasing profit margins - companies need innovative ways to drive down costs, while improving the accuracy of reporting. Biometric time and attendance solutions enable facilities to manage employees more efficiently, meet compliance requirements, and remove administratively cumbersome paper-based processes.
Time and attendance solutions for any size application

Schlage offers the security and convenience of biometric technology to small, medium, and large businesses with the HandPunch hand geometry readers. When needed, some HandPunch models can be configured to accept Wiegand or magnetic stripe credential reader inputs. All models are PIN input capable to provide a highly secure system with dual authentication.

HandPunch G Series

Our newest generation, G Series, improves user experience and levels of communication at the terminal. Capabilities include employee customized messaging, time schedule and vacation accrual reviews, plus user request for time off all with real-time communication back to management offices.

- 3.8" display for more information and messaging
- 8 ATM-style function keys for dynamic labeling
- Integrates with workforce management software
- Large LED light bar provides clear, visual response
- Antimicrobial coating on surfaces helps inhibit the growth of bacteria, mold and fungi for the life of the device
- No fingerprints or palm prints are captured or stored
- Works effectively in dirty, dusty or damp environments
- Ethernet communications standard

HandPunch F Series

The HandPunch F Series is designed for simplicity. If offers common "punch and go" capability with easy integration into existing software solutions. Like all Schlage biometric time and attendance terminals, it enables accurate record keeping, risk mitigation, and increased productivity.

- Green and red lights notify the employee of the status of each punch
- Antimicrobial coating on surfaces helps inhibit the growth of bacteria, mold and fungi for the life of the device
- No fingerprints or palm prints are captured or stored
- Optional Ethernet card is available for quick integration into existing network infrastructure
- Works effectively in dirty, dusty or damp environments
The G Series HandPunch terminal brings the flexibility of a full-function time and attendance terminal together with the sophistication of the most robust identity verification technology available.

**Advanced communications and networking**
Can be configured to meet virtually any networking need or online operation with standard 10/100 Ethernet connectivity.

**Programmable function keys**
Useful HR functions like validation tables, multi-level prompting and reporting, along with employee-specific messaging are just some of the functions that can be programmed into the terminal.

**Integration**
Our robust development tools give users complete control to develop custom terminal applications.

**Antimicrobial protection**
Platen keypad and chassis feature an antimicrobial agent to ensure protection through the punching process.

**Break compliance capability**
G Series features programming capability compliant with labor “break” laws preventing early employee return from lunch and other required breaks.

**Large display and LED bar**
Large 3.8” display gives users the ability to access more information per screen. The standard four-color LED bar provides users with instant visual feedback of punch verification and indicates online connectivity.

**Credential reader options**
PIN code, credential enabled with optional barcode reader for dual authentication purposes.
The HandPunch G Series offers eight programmable keys with a number of options and accessories to help you create a solution to meet your specific needs.

### G Series

<table>
<thead>
<tr>
<th>Users</th>
<th>Break compliant option</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-400 8 programmable keys</td>
<td>Dependent on Premier Partner application</td>
<td>Built-in</td>
</tr>
</tbody>
</table>

### Verification time
Less than one second

### Supported credentials
Barcode or PIN entry

### Options
- **GT-BCR**: Barcode reader
- **BB-300**: Battery backup
- **GX-ENCL**: Indoor/outdoor use polyethylene enclosure
- **INT-HTR-G**: Integrated heated plan

### Environment
- **Operating**: 32°F to 113°F (0°C to 45°C)
- **Relative humidity**: 5% to 85% NC
- **Non-operating (storage)**: 14°F to 140°F (-10°C to 60°C)

### Power
10.8 to 13.5 VDC 4.5 watts max.

### Size (W x H x D)
8.0 in x 11.18 in x 7.52 in (20.32 cm x 28.4 cm x 19.1 cm)

### Weight
5.8 lbs (2.63 kg)
The HandPunch® F Series is a cost-effective solution to deliver the accuracy and convenience of biometric technology while eliminating the use, abuse and cost of traditional time cards.

**HandPunch® 1000**
A new solution for small to medium companies, the HandPunch 1000 starts with 50 users and is expandable to 512 users.

**HandPunch® 2000**
For medium to large companies with up to 512 employees, the HandPunch 2000 features two function keys for greater versatility.

**HandPunch® 3000**
For larger company use, the HandPunch 3000 is expandable up to 32,512 employees, and offers two function keys, global scheduling, and door control.

**HandPunch® 4000**
For medium to large companies, the HandPunch 4000 offers ten function keys, individual scheduling, door control, employee messaging options, as well as an optional bar code reader.

**Break Compliant Models**
Our HandPunch break compliant models make it possible for employers to comply with laws relating to minimum meal and break times, avoiding potential fines and lawsuits.
## Models, options and specifications

### F Series

<table>
<thead>
<tr>
<th>Model</th>
<th>Users</th>
<th>Break compliant option</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP-1000-F3</td>
<td>No programmable keys 50 standard, expandable to 512</td>
<td>HP-1000-XL</td>
<td>RS232, optional modem</td>
</tr>
<tr>
<td>HP-1000-E</td>
<td>No programmable keys 100 standard, non-expandable</td>
<td>HP-1000-E-XL</td>
<td>Standard Ethernet</td>
</tr>
<tr>
<td>HP-2000-F3</td>
<td>2 programmable keys 512 standard, non-expandable</td>
<td>HP-2000-XL</td>
<td>RS232, optional modem or Ethernet</td>
</tr>
<tr>
<td>HP-3000-F3</td>
<td>2 programmable keys 512 standard, expandable to 32,512</td>
<td>HP-3000-XL</td>
<td>RS232 and RS422, optional modem or Ethernet</td>
</tr>
<tr>
<td>HP-3000-E-F3</td>
<td>2 programmable keys 512 standard, expandable to 32,512</td>
<td>HP-3000-E-XL</td>
<td>Standard Ethernet</td>
</tr>
<tr>
<td>HP-4000-F3</td>
<td>10 programmable keys 530 standard, expandable to 3,498</td>
<td>Integrated</td>
<td>RS232 and RS422, optional modem or Ethernet</td>
</tr>
<tr>
<td>HP-4000-S-F3</td>
<td>10 programmable keys and handheld barcode scanner 530 standard, expandable to 3,498</td>
<td>Integrated</td>
<td>RS232 and RS422, optional modem or Ethernet</td>
</tr>
</tbody>
</table>

### Verification time

Less than one second

### Supported credentials

Any Weigand reader credential input or PIN entry. Optional barcode reader available on HP-4000 only

### Options

- **GT-BCR**: Barcode reader
- **BB-300**: Battery backup
- **GX-ENCL**: Indoor/outdoor use polyethylene enclosure
- **INT-HTR-G**: Integrated heated plan

### Environment

- **Operating**: 32 °F to 113 °F (0 °C to 45 °C)
- **Relative humidity**: 20% to 80% NC
- **Non-operating (storage)**: 14 °F to 140 °F (-10 °C to 60 °C)
- **Relative humidity**: 5% to 85% NC

### Power

- 12 to 24 VDC or 12 to 24 VAC 50-60 Hz, 7 watts

### Size (W x H x D)

- 8.85 in x 11.65 in x 8.55 in (22.3 cm x 29.6 cm x 21.7 cm)

### Weight

- 6 lbs (2.7 kg)
About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries.

For more, visit www.allegion.com.