This is a slim-design fingerprint reader for installation on door frames. It is compatible with a full range of access-control applications, from a simple standalone door control to complex, networked access-control systems.

Approvals
- Europe: CE
- Americas: FCC

Functions
Authentication can be granted by reading fingerprints, cards or a combination of the two.

Access control functions:
- 128 access groups
- 128 time schedules
- Anti-passback door zones supporting 32 readers
- Tamper switch and duress finger option

Installation/Configuration Notes

Product compatibility:
The product is compatible with the following access controllers:
- AEC 2.1

• AMC2-4W
• D9210C

Required software:
- BioStar Express Setup utility
- Reader firmware 1.51_120323 for compatibility with the controllers listed

Secure configuration example:
Combined with an access controller (e.g. AMC2 4W) a secure door control can be built as illustrated below.
1 = Power supply; 2 = Door lock; 3 = Exit button; 
4 = Door sensor; 5 = Wiegand secure communication; 
6 = AMC2 4W; 7 = Access control system; 
8 = PC with Bio Application via LAN

### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>400 MHz DSP</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>4 MB flash + 8 MB RAM</td>
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<tr>
<td><strong>Fingerprint sensor</strong></td>
<td>500 dpi optical sensor</td>
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<tr>
<td><strong>Identification speed</strong></td>
<td>2,000 matches in 1 second</td>
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<td><strong>Fingerprint capacity</strong></td>
<td>10,000 templates (5,000 users)</td>
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<tr>
<td><strong>Log capacity</strong></td>
<td>50,000 events</td>
</tr>
<tr>
<td><strong>RF card</strong></td>
<td>Proximity (125 kHz EM)</td>
</tr>
<tr>
<td><strong>Operation modes</strong></td>
<td>Fingerprint, RF card, RF card + fingerprint</td>
</tr>
<tr>
<td><strong>Network interface</strong></td>
<td>TCP/IP, RS485</td>
</tr>
<tr>
<td><strong>Wiegand output</strong></td>
<td>Configurable up to 64 bits</td>
</tr>
<tr>
<td><strong>TTL I/O</strong></td>
<td>2 inputs for exit switch and door sensor</td>
</tr>
<tr>
<td><strong>Internal relay</strong></td>
<td>Deadbolt, EM lock, door strike, automatic door</td>
</tr>
<tr>
<td><strong>Sound and interface</strong></td>
<td>Multi-color LED and multi-tone buzzer</td>
</tr>
<tr>
<td><strong>Operating voltage</strong></td>
<td>12 Vdc</td>
</tr>
<tr>
<td><strong>Size (W x H x D)</strong></td>
<td>50 x 160 x 37 mm</td>
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</table>

### Ordering Information

**ARD-FPBEPPR-OC – with EM card reader**
IP based fingerprint access control for indoor installation with fingerprint and/or card (EM Prox) identification.  
Order number **ARD-FPBEPPR-OC**

**ARD-FPBEPMF-OC – with MIFARE card reader**
IP based fingerprint access control for indoor installation with fingerprint and/or card (MIFARE) identification.  
Order number **ARD-FPBEPMF-OC**

**ARD-FPBEPIC-OC – BioEntry Plus with card reader / for Americas**
IP based fingerprint access control for indoor installation with fingerprint and/or card (iCLASS) identification.  
Order number **ARD-FPBEPIC-OC**

**ARD-FPBEPHP-OC - with HID Prox card reader**
IP based fingerprint access control for indoor installation with fingerprint and/or card (HID Prox) identification.  
Order number **ARD-FPBEPHP-OC**