KEY

Technology to IoT

Capactive Fingerprint Sensor

Midas Touch

Prepared by: Marketing dept.
Date: Q2, 2018
“Midas Touch” is our brand. When viewed from a distance, our logo is like an ancient Chinese coin, a square encircled by a sphere, which reflects our business principle. Our logo looks like a diamond once you gaze into it. We hope that our partners will truly see our products or solutions like a valuable diamond once you use it!

Let’s shine & let’s turn around the world!
R&D Capability

**Patents**
- 26 Patents obtained
- 35+ Patent pending

**Talents**
- 15% PhD
- 60% Master degree

**Quality**
- Quality proven by over 1.5kk shipment

**Award**
- National MG+4C Award, 2014
- Taiwan SMEs Innovation Award, 2015
Product Feature

Comprehensive size of fingerprint sensor IC

Own core technology with legal IP protection

Well image quality for algorithm calculating

Flexible solutions for each kind of inquiry

Solid IP67 package for product demand
Marketing Strategy

**Niche Marketing Focus**

- Experienced in Niche Marketing
- Total solution of Fingerprint technology
- Flexible business model to satisfy various demand
- B2B business focus
Industry Device

**Tough book**
- Identify user ID
- Internet shopping
- One touch login
- Multi user possible

**USB**
- Identify user ID
- Data management
- 30 ID acceptable
- Group data management

**Reader**
- Bank ID recognition

The photos source from www.google.com
Midas Touch
magic embedded

Lock

- New general lock
- One touch open / close
- Keyless

- New i-Key function
- Familiar with user
Almost all airport, police system in the world wild use fingerprint system to recognize ID and recording immigration history with his high precision recognition rate. But current devices is still use traditional optical type as usual, in the near future capacitive type like IMD sensor will replace old type one by one.

Some country is intergraded fingerprint technology into their householder system, the target is sure ID recognition to manage personal data and crime issue.
- Non-Battery type will supply power from POS system, than user can use one touch replace signature when shopping and payment, like credit card.

- Battery type is intergrade a battery into the card, and it can take behavior the same as non-battery type. But due to it is still need charge battery, so as usual used in door access card system, once no power also can be charged in the office.
Marketing Performance
Product Roadmap

- 208x288 pixel
- Modularization
- Middle size Sensor IC

- 160x160 pixel
- T = 0.45mm only

- 160x160 pixel
- Small size Sensor IC

- Feature product
- Complete Product line
- All in one chip

- NEW size
- 192x256 pixel

- FP Sensor IC
- SF30x Serial
- 256x360 pixel
- Modularization
- Large size Sensor IC

- 160x160 pixel
- Algorithm + WHQL identify
- NB solution
## Small Size

<table>
<thead>
<tr>
<th></th>
<th>MFC-1160</th>
<th>MFC-1165</th>
<th>MFC-1160C</th>
<th>MFC-1192</th>
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</thead>
<tbody>
<tr>
<td><strong>Sensor</strong></td>
<td>○</td>
<td>WHQL support</td>
<td>○</td>
<td>○</td>
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<tr>
<td><strong>Application</strong></td>
<td>General Purpose</td>
<td>Windows O.S</td>
<td>Card</td>
<td>Low cost Middle model</td>
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<tr>
<td><strong>Sensing area (mm)</strong></td>
<td>8 x 8</td>
<td>8 x 8</td>
<td>8 x 8</td>
<td>9.6 x 12.8</td>
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<tr>
<td><strong>Resolution (Pixel)</strong></td>
<td>160 x 160</td>
<td>160 x 160</td>
<td>160 x 160</td>
<td>192 x 256</td>
</tr>
<tr>
<td><strong>Size (mm, L x W)</strong></td>
<td>13.4 x 13.9</td>
<td>13.4 x 13.9</td>
<td>12.2 x 12.2</td>
<td>12 x 17.5</td>
</tr>
<tr>
<td><strong>Size (mm, H)</strong></td>
<td>1.39</td>
<td>1.39</td>
<td>0.45</td>
<td>1.01</td>
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<tr>
<td><strong>Resolution (DPI)</strong></td>
<td>508</td>
<td>508</td>
<td>508</td>
<td>508</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>SPI</td>
<td>UART/USB</td>
<td>SPI</td>
<td>SPI</td>
</tr>
<tr>
<td><strong>Outline</strong></td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
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## Middle / Large Size

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<th>MFC-1208C</th>
<th>MFC-1256</th>
<th>MFC-1256C</th>
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<tbody>
<tr>
<td><strong>Sensor</strong></td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
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<tr>
<td><strong>Application</strong></td>
<td>General</td>
<td>General</td>
<td>Government</td>
<td>Government</td>
</tr>
<tr>
<td></td>
<td>Purpose</td>
<td>Purpose</td>
<td>Bank</td>
<td>Bank</td>
</tr>
<tr>
<td><strong>Sensing area (mm)</strong></td>
<td>10.4 x 14.4</td>
<td>10.4 x 14.4</td>
<td>12.8 x 18</td>
<td>12.8 x 18</td>
</tr>
<tr>
<td><strong>Resolution (Pixel)</strong></td>
<td>208 x 288</td>
<td>208 x 288</td>
<td>256 x 360</td>
<td>256 x 360</td>
</tr>
<tr>
<td><strong>Size (mm, L x W)</strong></td>
<td>20.4 x 33.4</td>
<td>20.4 x 33.4</td>
<td>23 x 35</td>
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<tr>
<td><strong>Size (mm, H)</strong></td>
<td>0.89</td>
<td>3.79</td>
<td>0.89</td>
<td>3.25</td>
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<tr>
<td><strong>Resolution (DPI)</strong></td>
<td>508</td>
<td>508</td>
<td>508</td>
<td>508</td>
</tr>
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