

# BluePad-50 Plus

|                                   |                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------|
| <b>CPU</b>                        | Secure ARM Cortex M4                                                                    |
| <b>Buttons</b>                    | On/Off button, 10 numeric buttons, 2 function buttons                                   |
| <b>Display</b>                    | 320 x 240 px 2-Inch color TFT                                                           |
| <b>Smart Card Reader</b>          | Friction type                                                                           |
| <b>Contactless Reader</b>         | NFC-A, ISO 14443 Type A<br>NFC-B, ISO 14443 Type B<br>NFC-F, Felica<br>NFC-V, ISO 15693 |
| <b>Contactless Payments</b>       | VISA payWave<br>MasterCard PayPass<br>American Express<br>DPAS (Discover)               |
| <b>Connectors</b>                 | Contact pins<br>USB Type-C port<br>1 nanoSIM slot (optional)                            |
| <b>Wired Communication</b>        | USB (device)                                                                            |
| <b>OS Compatibility</b>           | iOS, Android, Windows                                                                   |
| <b>Bluetooth</b>                  | BT version 4.2 Low Energy                                                               |
| <b>Wireless (optional)</b>        | Wi-Fi IEEE 802.11 b/g/n                                                                 |
| <b>Cellular Module (optional)</b> | 2G/4G communication                                                                     |
| <b>LED Indication</b>             | Contactless payment status                                                              |
| <b>Audio Features</b>             | Electromagnetic buzzer                                                                  |
| <b>Power Supply</b>               | DC 5 V through USB<br>DC 5 V through contact pins                                       |
| <b>Battery</b>                    | Rechargeable Li-Po Battery<br>3.7 V, 620 mAh                                            |
| <b>Reliability</b>                | 500,000 chip card cycles<br>1,000,000 button clicks                                     |
| <b>Certificates</b>               | CE, FCC, PCI PTS 5.x, EMV Level 1, EMV Level 2,<br>EMV Level 1 Contactless, TQM         |
| <b>Dimension W x D x H</b>        | 69 x 121 x 16 mm                                                                        |
| <b>Weight</b>                     | 123 g                                                                                   |
| <b>Operational Temperature</b>    | -10 °C to 40 °C / 5 to 90% RH                                                           |
| <b>Storage temperature</b>        | -15 °C to 50 °C / 5 to 90% RH                                                           |
| <b>Drop Tested</b>                | 1.2 m, faces and edges                                                                  |
| <b>Other Box Contents</b>         | USB Type-A to USB Type-C cable                                                          |

