

# BluePad-55

<b>Microcontroller</b>	Cortex M3
<b>MCU Memory</b>	64 KB Internal ROM, 256 KB Internal RAM, 1 MB Internal Flash
<b>Display</b>	320 x 240 px touch screen display
<b>Buttons</b>	On/Off button, 10 numeric buttons, 5 function buttons
<b>Magnetic Card Reader</b>	Triple track bi-directional
<b>Smart Card Reader</b>	Landing type
<b>Contactless Reader (optional)</b>	ISO/IEC 14443 Type A MIFARE Mini, MIFARE Classic 1K, MIFARE Classic 4K, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Plus 2K, MIFARE Plus 4K, MIFARE DESFire ISO/IEC 14443 Type B ISO/IEC 15693 JIS X 6319-4 - FeliCa ISO/IEC 18000-3 - NFC
<b>Contactless Payments (optional)</b>	VISA payWave, MasterCard Contactless, American Express ExpressPay, Discover D-Pas, UnionPay QuickPass, JCB J/Speedy
<b>Connectors</b>	RS-232 contact pins, USB Type-C port, SAM card slot (optional), SIM card slot (optional)
<b>Wired Communication</b>	USB (device)
<b>Bluetooth (optional)</b>	BT version 4.2 Low Energy
<b>Wireless (optional)*</b>	Wi-Fi IEEE 802.11 b/g/n
<b>Modem (optional)*</b>	3G communication
<b>OS Compatibility</b>	iOS, Android, Windows
<b>LED Indication</b>	Contactless payment status
<b>Audio Features</b>	Electromagnetic buzzer
<b>Power Supply</b>	DC 5 V through USB, DC 5 V through contact pins
<b>Battery</b>	Rechargeable Li-Ion Battery 3.7 V, 1180 mAh
<b>Reliability</b>	500,000 chip card cycles, 1,000,000 magnetic card swipes, 1,000,000 button clicks
<b>Certificates</b>	CE, FCC, PCI PTS 4.x, EMV Level 1, EMV Level 2, EMV Level 1 Contactless, Apple Mfi
<b>Dimension W x D x H</b>	71 x 133 x 19 mm
<b>Weight</b>	180 g
<b>Operational Temperature</b>	-10 °C to 40 °C / 5 to 70% RH
<b>Storage temperature</b>	-15 °C to 50 °C / 5 to 70% RH
<b>Drop Tested</b>	1.4 m, faces and edges
<b>Box Contents</b>	BluePad-55 device, 90 cm USB Type-A to Type-C cable
<b>Compatible Accessories</b>	Charger (GT1), 5-unit charger (GT5), Metal Stand, Plastic Stand, BlueCharge-55, BluePrint-55, BlueScan-55

\* BluePad-55 offers a choice between the Wi-Fi and Modem options.