

Compact POS Terminal / Mini Payment Terminal

# BIP-100 & 110



**pibion**  
Empowering Mobility

## KEY FEATURES & BENEFITS

### Functionality



#### Card Reader, GPRS, WLAN

BIP-100 is a Compact POS Terminal integrated with MSR, IC Card Reader, thermal printer as well as fast Data Communication. The ability in point-of-sale, receipt printing, point transaction, ticketing and real-time data transfer in a single device increases sales productivity.

### Security



#### EMV Level 1&2 approved

Secure, guaranteed transaction and payment methods:  
- MSR : Bi-directional, Tracks 1,2,3, ISO 7810  
- IC Card Reader : EMV Level 1&2 approved, ISO 7816

### Compatibility



#### Windows CE

BIP-100 with Windows CE-based operating system makes it easy to install custom applications and access to your work PC. The device allows you to manage real-time information all about sales accounts, customers and inventory.

### Ergonomic



#### 3.5" Graphic LCD

3.5" graphic LCD delivers excellent graphic capability and readability. It allows merchants to promote their brand and customers to check the buying process. Besides, touch screen provides convenient sales operation with a stylus pen or fingertips.



**CPU**  
ARM 9205T Core, 200MHz



**Memory**  
64MB SDRAM  
64MB FlashROM



**Battery**  
9V 3A, 2,000mAh x2cell,  
Li-ion



**Printer**  
2" Thermal Printer



**Card Reader**  
Magnetic Card Reader  
IC Card Reader

## KEY FEATURES & BENIFITS

### Functionality



#### IC Card & RF Card Reader

BIP-110 is a Mini Payment Terminal integrated with IC card reader, RF card reader and digital signature pad. Merchants are able to improve operational efficiency by using dual ways of transaction in a single device.

### Security



#### EMV Level 1&2 approved

Secure, guaranteed transaction and payment methods:  
- IC Card Reader : EMV Level 1&2 approved, ISO 7816  
- RF Card Reader : ISO 14443 A/B

### Flexibility



#### Easy Installation in Any Surface

Merchants are able to upgrade the payment methods, since BIP-110 can be adapted to almost any surface -including BIP-100, point of sale and cash register systems- with a serial cable and minimum implementation costs.

### User Friendly



#### 2.9" Digital Signature Pad

2.9" digital signature pad supports a large signature capture area. Card holders can easily input their signature with stylus pen to confirm the payment transaction. With the easy-to-use device, merchants are able to shortcut customer wait time.



**CPU**  
ARM 9205T Core, 200MHz



**Memory**  
8MB SDRAM 4MB FlashROM



**Card Reader**  
IC Card Reader  
RF Card Reader

# BIP-100 & BIP-110

## SPECIFICATIONS

	BIP-100	BIP-110
<b>PHYSICAL CHARACTERISTICS</b>		
DIMENSIONS (W x H x D)	131 x 249.7 x 62.2mm / 5.1 x 9.8 x 2.4 inch	87.2 x 92.5 x 41.6mm / 3.4 x 3.6 x 1.6 inch
WEIGHT	630g	219g
DISPLAY	3.5" QVGA with backlight, TFT-LCD, 260K, 320 x 240	2.9", Graphic LCD, 128 x 64
TOUCH PANEL	Touch Screen, Analog resistance type	Touch Screen
KEYPAD	Numeric keypad	-
BATTERY	Rechargeable, 9V 3A, 2,000mAhx2cell, Li-ion	-
SIM/SAM SLOT	1 SIM / 3 SAMS	4 SAMS
PRINTER	Thermal printer(max. 60min/sec)	-
AUDIO	Speaker	Buzzer
<b>PERFORMANCE CHARACTERISTICS</b>		
CPU	ARM 9205T Core, 200MHz	ARM 9205T Core, 200MHz
OS	Windows CE 5.0 Core	-
MEMORY	64MB SDRAM / 64MB FlashROM	8MB SDRAM (up to 32MB) / 4MB FlashROM (up to 8MB)
INTERFACE	RS-232C x 2, USB 2.0(full-speed) Host & Client, Ethernet, PSTN(optional)	RS-232C, USB 2.0(full-speed) Client
<b>USER ENVIRONMENT CHARACTERISTICS</b>		
OPERATING TEMP	-20°C to 50°C / -4°F to 122°F	-20°C to 50°C / -4°F to 122°F
STORAGE TEMP	-30°C to 70°C / -22°F to 158°F	-30°C to 70°C / -22°F to 158°F
HUMIDITY	93% non-condensing	93% non-condensing
DROP SPEC	3.3ft. / 1m drop to steel surface, 2 drops per 6 sides	3.3ft. / 1m drop to steel surface, 2drops per 6 sides
<b>INTEGRATED RADIO</b>		
WWAN RADIO	GSM / GPRS (850, 900, 1800, 1900 MHz)	-
WLAN RADIO	IEEE 802.11b/g (optional)	-
<b>CARD READER</b>		
MSR	Bi-directional, Track 1,2,3, ISO 7810	-
IC CARD READER	EMV Level 1&2 approved, ISO 7816 (optional)	EMV Level 1&2 approved, ISO 7816
RF CARD READER	-	ISO 14443 A/B



## ACCESSORIES

### BIP-100



Protection Film    Adapter    Power Cable    Stylus Pen

### BIP-110



Cradle    Adapter    Adapter Connector    Mini USB to USB Cable    Serial to RJ11 Cable    Stylus Pen    Tether

# Bluebird

1242, Gaepo-dong, Kangnam-gu, Seoul, Korea (ROK)

T. +82. 70.7730.8000    F. +82. 2.548.0870

[www.mypidion.com](http://www.mypidion.com)    [www.bluebird.co.kr](http://www.bluebird.co.kr)    [cn.bluebirdsoft.com](http://cn.bluebirdsoft.com)

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