

Ultimate Transaction

# BIP-100 & 110



**pibion**

# BIP-100

## KEY FEATURES & BENIFITS

### Functionality



#### Card Reader, Dualband, WiFi

BIP-100 is a Semi POS integrated with MSR, IC Card Reader, thermal printer as well as fast Data Communication. The ability in point-of-sale, receipt printing, 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
- Contact Type: 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 documents, 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, 1,350mAh,  
Li-ion



**USB**  
USB 2.0 Host & Client



**Printer**  
2" Thermal Printer



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



**SIM**  
1 SIM Card Slot

## KEY FEATURES & BENIFITS

### Functionality



#### IC Card & RF Card Reader

BIP-110 is an attachable payment terminal integrated with IC card reader, RF card reader and digital signature pad. Merchants are able to improve operational efficiency by using dual methods of payment transaction in a single device.

### Security



#### EMV Level 1&2 approved

Secure, guaranteed transaction and payment methods:

- IC Card Reader
- Contact Type: EMV Level 1&2 approved, ISO 7816
- Contactless Type: 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



**USB**  
USB 2.0 Client

# BIP-100 & BIP-110

SPECIFICATIONS	BIP-100	BIP-110
<b>PHYSICAL CHARACTERISTICS</b>		
DIMENSIONS (W x H x D)	131x 249.7 x 62.2 mm / 5.1 x 9.8 x 2.4 inch	87.2 x 92.5 x 41.6 mm / 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, 1,350mAh, Li-ion	-
SIM/SAM SLOT	1 SIM / 3 SAMS	4 SAMS
NETWORK CONNECTIONS	Ethernet(option), PSTN(option)	-
PRINTER	2" thermal printer (max. 90mm/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 Host & Client	RS-232C, USB 2.0 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	3.3 ft./1m drop to concrete, 2 drops per 6 sides	3.3 ft./1m drop to concrete, 2 drops per 6 sides
<b>INTEGRATED RADIO</b>		
WWAN RADIO	GSM/GPRS(Dualband: 850/1900, 900/1800MHz) or CDMA 1x	-
WLAN RADIO	IEEE 802.11b/g (option)	-
<b>CARD READER</b>		
MAGNETIC CARD READER	Bi-directional, Track 1,2,3. ISO 7810	-
IC CARD READER	EMV Level 1&2 approved, ISO 7816	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

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