



Bluebird is the manufacturer of Pidion® Products.

Powerful and Prestigious!

# BIP-6000 Series

Rugged Handheld Computer



Handheld • RFID • Barcode

# BIP-6000 Series Rugged Handheld Computer

## INDUSTRIES



Retail



Public Transport



Hospitality



Healthcare



Finance

BIP-6000 Series is the world first rugged handheld computer integrated with four different types of RF technology including HSDPA, WiFi, Bluetooth, and RFID reader (eTicket reader) capability and it greatly fits for mobile ticketing in public transportation and DSD route accounting in FMCG industries.

## KEY FEATURES & BENEFITS

### Ultimate Form Factor



#### IP65, 1.8m Drop, MIL-STD 810F

The BIP-6000 Series allows working without any restraints in harsh work environment. It meets IP65 sealing requirements, withstands 12 drops at 1.8m to steel surface and operates in a temperature range of -30 to 60. In addition, powerful 4,400mAh or 5,200mAh Smart Battery ensures continuous operation for a full day.

### Revolutionary Integration



#### RFID Reader, Barcode Scanner, 3MP Camera

The BIP-6000 Series delivers a broad range of advanced data capture capabilities for inventory management. It supports HF, UHF or LF RFID reader, 1D laser or 2D imager scanner, and 3.0 megapixel autofocus camera. Its built-in pistol grip (BIP-6000MaxGrip) enhances work productivity and reduces worker's fatigue for scan-intensive operations.

### Latest Technologies



#### Windows Mobile 6.1 / 6.5 (optional)

The BIP-6000 Series features the full range of latest technologies. 806MHz processor and Windows Mobile 6.5 or 6.1 Operating System deliver maximum computing power with easy operation and system integration capability. It supports large memory capacity with 256MB RAM 512MB ROM (up to 1GB) and MicroSD slot.

### Flexible Communications



#### HSDPA, Wifi, Bluetooth, A-GPS & DGPS

The BIP-6000 Series provides accurate and speedy data communication capability for improving work efficiency and work flexibility. This HSDPA, WiFi and Bluetooth equipped handheld computer enables enterprises to stay connected with their field workers in real-time. Its built-in GPS with A-GPS and DGPS allows tracking the mobile workers' position and streamlining their route plan.

### Outstanding Ergonomics



#### 3.5" VGA, TouchWindow LCD, Numeric / QWERTY

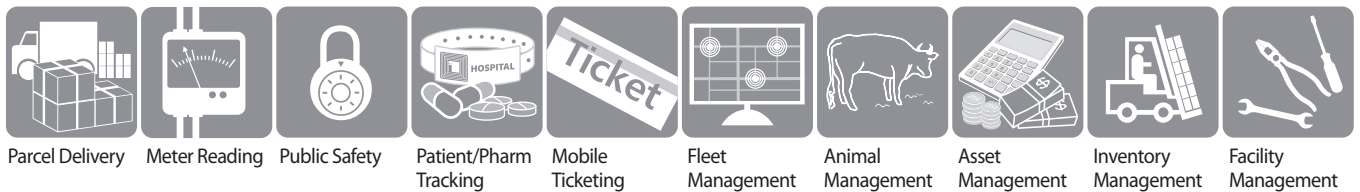
The large 3.5 VGA display of BIP-6000 Series gives visual and tactile enhancement. Moreover, the crack-resistant TouchWindow LCD supports substantial protection for the touch sensitive display. Additionally, Numeric/ QWERTY keypad with backlight enables easy and precise typing at any light level.



# Rugged Handheld Computer



## APPLICATIONS



**CPU**  
PXA 320, 806MHz



**Memory**  
256MB RAM  
512MB ROM (up to 1GB)



**Smart Battery**  
3.7V, 4,400mAh, Li-ion  
3.7V, 5,200mAh, Li-ion



**Bluetooth**  
Bluetooth V 2.1+EDR, Class II



**1D Barcode & PDF417**  
Laser Class II



**GPS**  
Integrated A-GPS & DGPS



**2D Barcode**  
CMOS Imager (HD optional)



**BIP-6000 Max**



**RFID**  
HF RFID Reader



**Camera**  
3.0 megapixel,  
Autofocus, Flash



**BIP-6000 MaxGrip**  
Pistol Grip



**BIP-6000MaxID**



**RFID**  
UHF or LF RFID Reader

## SPECIFICATIONS

PHYSICAL CHARACTERISTICS		
DIMENSIONS (W X H X D)	80 x 160 x 35.5mm / 3.1 x 6.9 x 1.4 inch	
WEIGHT	Excluding battery: 292g / Including battery: 407g	
DISPLAY	3.5" VGA with backlight, TFT TouchWindow LCD, 260K, 480 x 640 3.5" QVGA with backlight, TFT TouchWindow LCD, 260K, 240 x 320	
KEYPAD	29-key Numeric / 50-key QWERTY	
STANDARD BATTERY	Rechargeable, 3.7V, 4,400mAh, Li-ion Smart Battery	
EXTENDED BATTERY (optional)	Rechargeable, 3.7V, 5,200 mAh, Li-Ion Smart Battery	
EXPANSION SLOT	Customer accessible MicroSD slot for removable memory cards up to 32 GB	
SIM/SAM SLOT	1SIM / 1SAM	
AUDIO	High Volue Speakers, Headset jack	
CAMERA	3 megapixel autofocus camera with LED flash / Ultra bright LED flash (optional)	
GPS	Integrated GPS with A-GPS & DGPS (DGPS compatible with Windows Mobile)	
G-SENSOR	Integrated G-sensor	
PERFORMANCE CHARACTERISTICS		
CPU	PXA 320, 806MHz	
OS	Windows Mobile 6.1 / Windows Mobile 6.5 (optional)	
MEMORY	256MB RAM / 512MB ROM (optional 1GB)	
INTERFACE	RS-232C, USB 2.0 (full-speed) Host & Client, Ethernet via cradle	
USER ENVIRONMENT CHARACTERISTICS		
OPERATING TEMP	-30°C to 60°C / -22°F to 140°F, MIL-STD 810F, Method 501.4, Procedure II, Method 502.4, Procedure I,I&III	
STORAGE TEMP	-40°C to 70°C / -40°F to 158°F, MIL-STD 810F, Method 501.4, Procedure I, Method 502.4, Procedure I,I&III	
TEMP SHOCK	MIL-STD 810F, Method 503.4, Procedure I (-35°C/65°C)	
HUMIDITY	95% non-condensing; meets and exceeds MIL-STD 810F, Method 507.4, 90%RH temp cycle 0°C/70°C	
DROP	6ft. / 1.8m drop to steel surface, 2 drops per 6 sides; meets and exceeds MIL-STD 810F	
SAND AND DUST	IP65, MIL-STD 810F, Method 510.4, Procedures I&II, KWF-test certified	
WATER	IP65, MIL-STD 810F, Method 516.5, Procedure IV, KWF-test certified	
VIBRATION	MIL-STD 810F, Method 514.5, Procedure I&II	
ALTITUDE	MIL-STD 810F, Method 500.4, Procedure I,I&III, 15,000 ft at 23°C/73°F	
INTEGRATED RADIO		
WWAN RADIO	GSM/GPRS/eGPRS(850, 900, 1800, 1900MHz) / UMTS/HSDPA(850, 1900, 2100MHz)	
WLAN RADIO	IEEE 802.11b/g, IEEE 802.11a/b/g (optional)	
WPAN RADIO	Blueooth V2.1+EDR,Class II, IrDA 1.2	
DATA CAPTURE		
BARCODE READER	1D Laser Class II or 1D/2D CMOS Imager (HD optional)	
RFID READER	Integrated HF RFID , ISO 14443 A/B (MIFARE, Calypso), ISO 15693	
BIP-6000MaxID (RFID Reader & Pistol Grip)		BIP-6000MaxGrip (Pistol Grip Only)
DIMENSIONS (W X H X D)	86 x 186 x 152 mm / 3.3 x 7.3 x 5.9 inch	86 x 160 x 152 mm / 3.3 x 6.2 x 5.9 inch
WEIGHT	Excluding battery: 497g / Including battery: 612g	Excluding battery: 372g / Including battery: 487g
RFID READER	UHF	LF
FREQUENCY	840MHz to 960MHz	125 kHz & 134.2 kHz
PROTOCOL	EPC C1G2, ISO 18000-6C, ISO 18000-6B	ISO 11784, ISO 11785, ISO 18000-2
READ RANGE	Up to 236.2 inch / 6 m	Up to 6.3 inch / 14 cm

\* RFID read range may vary according to the tag types and reading environment and BIP-6000MaxID & BIP-6000MaxGrip do not include HF RFID and camera option.



## ACCESSORIES



Cradle

Battery

Protection Film

Adapter

Adapter  
Connector

USB Cable

Stylus Pen

Tether

\* Accessories above come with product.

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**Bluebird Inc.** (Corporate Headquarters)

SEI Tower 13~14F, 467-14, Dogok-dong, Gangnam-gu, Seoul, Korea (ROK)

Phone. +82.70.7730.8000 Fax. +82.2.6499.2242

Website [mypidion.com](http://mypidion.com)

