

A Whole New Era of Convergence Technology

World First & Biggest Screen of Smart Terminal
Android 4.2 & Windows Embedded 8 Handheld with One Form Factor

Smart Terminal

BM180









2014 *NEW*

The Proactive Evolution

Since 2004, Bluebird has planned, developed, and released the BM Series. Each evolution has been marked with bold and brilliant innovation.





2010 BM170

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2014<u>BM1</u>80 / Android



2014BM180 / Windows



BM170



BM180



What has been added?

- 2D Scanner
- RFID
- Card Payment
- Ruggedness
- SAM Slot











Convergence Technology

AIDC + Payment Voice + Data

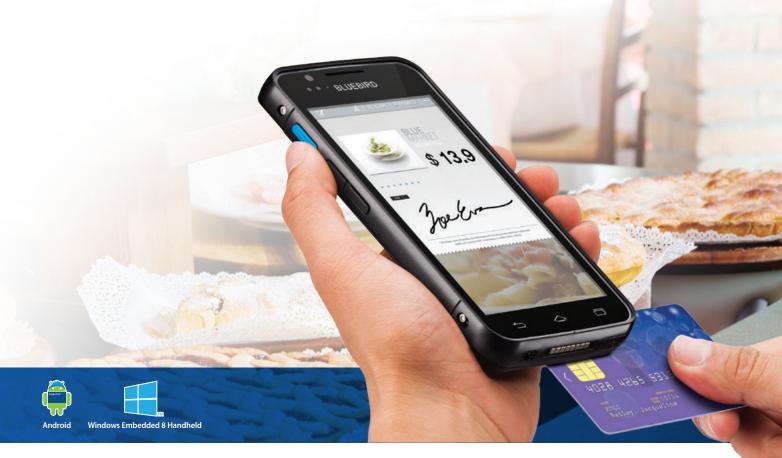




BM180



BP50





FMCG

- Pre-sales
- Direct store delivery
- Route accounting
- Asset management



Retail

- Productivity improvement (Voice + Data communication)
- Replenishment
- Customer counseling
- Mobile POS
- Hospitality



Healthcare

- Home nursing
- Point of care
- Clinical-test



Professional Service

- Work order
- E-Citation
- Asset management
- Location based service

SPECIFICATIONS

CPU Dual Core Processor 1.5GHz Android 4.2, Windows Embedded 8 Handheld(Planning) MEMORY 1GB RAM/8GB ROM (Optional 2GB RAM/16G BROM) INTERFACE Docking connect, Micro USB COMMUNICATION OPTIONS WWAN RADIO Optional, H5PA+/H5PA/UMTS, EDGE/GSM WUAN RADIO Optional, 802.11 a/b/g/n WPAN RADIO Optional, 802.11 a/b/s/g/n WPAN RADIO Optional, 802.11 a/b/s/m WPAN RADIO Option	PERFORMANCE CHARACTERISTICS	
OS Android 4.2, Windows Embedded 8 Handheld(Planning) MEMORY 1GR BRAM/8G8 ROM (Optional 2GB RAM/16G BROM) INTERFACE Docking connector; Micro USB COMMUNICATION OPTIONS WWAN RADIO Optional, H5PA+/H5PA/UMTS, EDGE/GSM WLAN RADIO Optional, Bluetooth Classs II V4.0 DATA CAPTURE RFID ISO14443A8B, ISO 15699 CAMERA Main(Rear): 8 Mega Pixel Auto Focus Camera with LED Flash; Subfronth: 1.3 Mega Pixel Front Camera BARCODE SCANNER Optional, Integrated Magnetic Stripe Reader (MSR) CONTACTLESS MIFAR, Edica, Calypso PHYSICAL CHARACTERISTICS DIMENSIONS (W X H X D) 77.95 x 152.1 x 16.7mm WEIGHT 261g DISPLAY 5-inch HD Eyellurninate** Display; 1280 x 720 pixel STANDARD BATTERY Optional, Rechargable, 3.7V, 4500mAh, Li-ion BACKUP BATTERY Internal Backup Battery for Hot-Swap Function, Li-polymer 60mAh EXPANSION SLOT 1 SIM / 1SAM (for Contactless Applications) AUDIO VOWWAN, YOW, AN, PTT ready; DURABILITY Teady; DURABILITY Teadys DURABILITY Talestated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY Talestated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY Talestated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY 95% non-condensing Find Soft 70.7 -1.3°F to 158°F HUMIDITY 95% non-condensing		
MEMORY IGB RAM/BGB ROM (Optional, ESPA-H/HSPA/UMTS, EDGE/GSM WUAN RADIO Optional, HSPA-H/HSPA/UMTS, EDGE/GSM WUAN RADIO Optional, Bluetoth Classs III/4.0 WAN RADIO Optional, Bluetoth Class III/4.0 WAN RADIO Optional, Bluetoth Classs III/4.0 WAN RADIO Optional, Bluetoth Classs III/4.0 WAN RADIO Optional, Bluetoth Classs III/4.0 WAN RADIO AMIN(Rear), 8 Mega Pixel Auto Focus Camera with LED Flash; Sub(Front), 1: 3 Mega Pixel Auto Focus Camera with LED Flash; Sub(Front), 1: 3 Mega Pixel Front Camera BARCODE SCANNER Optional, Integrated Magnetic Stripe Reader (MSR) CONTACTLESS MiFare, Felica, Calypso PHYSICAL CHARACTERISTICS UMERISTON WX HX D) VEIGHT 261g DISPLAY Sinch HD Eyelluminate** Display; 1280 x 720 pixel STANDARD BATTERY Rechargable, 3.7V, 4.500mAh, Li-ion EXTENDED BATTERY Optional, Rechargable, 3.7V, 4.500mAh, Li-ion EXTENDED BATTERY Internal Backup Battery for Hot-Swap Function, Li-polymer 60mAh EXPANSIONS (UT) VOWWAN, VOWLAN, PTT ready; Dual Mitcrophone With Noise Cancellation GPS Integrated AGPS USER RNVIRONMENT CHARACTERISTICS DURABILITY Iam/4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP - 20°C to 60°C / 4°F to 140°F STORAGE TEMP - 20°C to 60°C / 4°F to		Android 4.2.
INTERFACE Docking connector; Micro USB COMMUNICATION OPTIONS WWAN RADIO Optional, B02.11 a/b/g/n WPAN RADIO Optional, B02.11 a/b/g/n WPAN RADIO Optional, B02.11 a/b/g/n WPAN RADIO Optional, B102.11 a/b/g/n WPAN RADIO Optional, B02.11 a/b/g/n WPAN RADIO Optional, B102.11 a/b/g/n WPAN RADIO WIAJABAB, ISO 15693 CAMERA Main(Rear): 8 Mega Pixel Auto Focus Camera with LED Flash; Sub(Froni): 1.3 Mega Pixel Front Camera WBARCODE SCANNER Optional, 2D Imager(1D/2D Barcode) PAYMENT OPTIONS MSR Optional, Integrated Magnetic Stripe Reader (MSR) CONTACTLESS MiFare, Felica, Calypso PHYSICAL CHARACTERISTICS DIMENSIONS (W X H X D) 7.95 x 15.2.1 x 16.7mm WEIGHT 261g DISPLAY S-inch HD Eyelluminate™ Display; 1280 x 720 pixel DISPLAY S-inch HD Eyelluminate™ Display; 1280 x 720 pixel STANDARD BATTERY Rechargable, 3.7V, 4.500mAh, Li-ion BACKUP BATTERY Optional, Rechargable, 3.7V, 4.500mAh, Li-ion BACKUP BATTERY Internal Backup Battery for Hot-Swap Function, Li-polymer 60mAh EXPANSION SLOT Customer-accessible MicroSD slot for removable memory cards up to 32G SIM/SAM SLOT 1 SIM / 15AM for Contactless Applications) AUDIO VOWWAN, VoWAN, FTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS FORGE TEMP - 2-5° to 70° / -13° to 158° to 140° to 158° to 140° to 140° to 150° to 140° to 140° to 150° to 150		·
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STANDARD BATTERY Rechargable, 3.7V, 3,000mAh, Li-ion EXTENDED BATTERY Optional, Rechargable, 3.7V, 4,500mAh, Li-ion BACKUP BATTERY Internal Backup Battery for Hot-Swap Function, Li-polymer 60mAh EXPANSION SLOT Customer-accessible MicroSD slot for removable memory cards up to 32G SIM/SAM SLOT 1 SIM / 1SAM (for Contactless Applications) AUDIO VoWWAN; VoWLAN; PTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing	WEIGHT	261g
EXTENDED BATTERY Optional, Rechargable, 3.7V, 4,500mAh, Li-ion BACKUP BATTERY Internal Backup Battery for Hot-Swap Function, Li-polymer 60mAh EXPANSION SLOT Customer-accessible MicroSD slot for removable memory cards up to 32G SIM/SAM SLOT 1 SIM / 1SAM (for Contactless Applications) AUDIO VowWAN; VowLAN; PTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing	DISPLAY	, , , , , , , , , , , , , , , , , , , ,
BACKUP BATTERY Internal Backup Battery for Hot-Swap Function, Li-polymer 60mAh EXPANSION SLOT Customer-accessible MicroSD slot for removable memory cards up to 32G SIM/SAM SLOT 1 SIM / 1SAM (for Contactless Applications) AUDIO VoWWAN; VoWLAN; PTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing	STANDARD BATTERY	<u> </u>
EXPANSION SLOT Customer-accessible MicroSD slot for removable memory cards up to 32G SIM/SAM SLOT 1 SIM / 1SAM (for Contactless Applications) AUDIO VoWWAN; VoWLAN; PTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing	EXTENDED BATTERY	· · · · ·
SIM/SAM SLOT 1 SIM / 1SAM (for Contactless Applications) AUDIO VoWWAN; VoWLAN; PTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing		
AUDIO VoWWAN; VoWLAN; PTT ready; Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing	EXPANSION SLOT	
Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing	SIM/SAM SLOT	, , , , , , , , , , , , , , , , , , , ,
Dual Microphone With Noise Cancellation GPS Integrated AGPS USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing		
USER ENVIRONMENT CHARACTERISTICS DURABILITY TankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing		,
DURABILITYTankSmith™ Technology; 1.2m / 4ft drop per MIL-STD 810G; IP67 SealingOPERATING TEMP-20°C to 60°C / -4°F to 140°FSTORAGE TEMP-25°C to 70°C / -13°F to 158°FHUMIDITIY95% non-condensing		
DURABILITY 1.2m / 4ft drop per MIL-STD 810G; IP67 Sealing OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing		
OPERATING TEMP -20°C to 60°C / -4°F to 140°F STORAGE TEMP -25°C to 70°C / -13°F to 158°F HUMIDITIY 95% non-condensing		571
STORAGE TEMP -25°C to 70°C /-13°F to 158°F HUMIDITIY 95% non-condensing		
HUMIDITIY 95% non-condensing		
* Place ask your sales representative for the future-ungradable space		3

 $^{* \} Please \ ask \ your \ sales \ representative \ for \ the \ future-upgradable \ specs.$

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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

