PRE-SALES DATA SHEET
Enterprise Mobile Computer **VX500_RFID**

BLUEBIRD
A TSC Company

Enterprise Mobile Computer VX500 RFID

Rugged Smart Handheld
With Integrated RFID Reader

Rapid work process through the latest OS and powerful CPU
Increase work efficiency with powerful RFID reader module
Powerful durability in the harshest environments
Quick data capture through high performing barcode scanner
Long-lasing battery power
Mobile device software eco-system BOS™ support

※ Product design is subject to change.

OS	Performance	Wireless	Battery	Scanning	RFID
Android 10	Octa-Core Processor	Wi-Fi, Bluetooth	User Replaceable, Smart Battery	1D & 2D imager	Short Range

Sealing	Operation Temp	Camera	Display	Drop Resistance
IP68	-20°C to 55°C -4°F to 131°F	13MP Autofocus with flash	5" HD (1280 x 720)	1.5m/4.9ft MIL-STD-810G 1.8m/5.9ft. MIL-STD-810G (w Rugged Boot)

Key Features

Best in enterprise-class Qualcomm Snapdragon™ CPU (2.2GHz, Octa-Core) and Android 10 OS increase work efficiency, supporting users' work process in prompt and stable ways. Users can switch their apps on the display quickly by Universal Flash Storage (UFS) memory which increases the speed of operation.

Increase work efficiency with powerful RFID reader for high precision Up to 300 tags/sec of reading rate with high precision and nominal reading distance can maximize your work efficiency up to the fullest. Suitable to use in retail, healthcare, logistics, manufacturing and other verticals.

Powerful durability in the harshest environments Usability-proven in touch and harsh environments Bluebird TankSmith® Technology and Corning® Gorilla® Glass enhance durability of the device meeting 1.8m of drop spec MIL-STD 810 (with Rugged Boot) and IP68 Sealing rate. VX500 provides flexible multi-touch including glove, wet, and stylus as well as the best outdoor readability that you can see the display under the very bright sunlight.

High performance barcode scanner for quick data capture The latest scan engine provides superior wide range up to 24-inch/60cm for 1D/2D barcodes, labels, and documents. Workers can scan even poor quality, damaged and dirty barcodes. It delivers lightning fast barcode scan with motion tolerance providing fast scan on pressing the scan button. Large sweet spot makes workers can scan easily with point-and-shoot simplicity.

Long-lasting battery power (Hotswap support) User replaceable battery with high capacity of 4350mAh gets you free from worrying about re-charge. As hotswappable battery it supports work continuity even when unexpectedly detached and prevents data loss. With Bluebird BOS™ (Business Optimizing Solution) Power Manager solution, it enables to manage battery life status which delivers replacement period for aged batteries.

Mobile device management software eco-system BOS™ (Business Optimizing Solution) Bluebird BOS™ (Business Optimizing Solutions) provides various features optimized for use of enterprise device from app development, device deployment, to business performance management as an integrated solution system. With BOS™ you can implement integrated management for VX500 in an efficient way.

Verticals & Applications

Retail
- Price/Inventory Check
- Inventory management
- mPOS (Mobile POS)
- BOPIS (Buy online, Pick up in store)
- Loyalty management
- Sales assistance
- Voice communication
- Electronic coupon
- Coupon verification

Field Service
- Asset management
- Invoicing

T&L
- PoD (Proof of Delivery)

Healthcare
- Patient management
- Staff communication

Restaurant & Hospitality
- Order management
- mPOS (Mobile POS)

Government/Public Sector
- ID Verification / Ticketing

BOS™ Solutions & Software

- Provisioning;
- Staging;
- Kiosk;
- Virtual Key;
- BOS™ Keyboard;
- VoIP ; PTT ; PTT Essential
- EMM;
- Wi-Fine (WIFI analyze application)
- Secure ID (Security Management)

3rd Party Solutions Integration

- EMM : Airwatch, MobileIron, Mobicontrol, IBM Mass360, XenMobile
- PTT : MCPTT, IPPTT

android enterprise recommended

RAIN ALLIANCE

BLUEBIRD
A TSC Company

Specification

PERFORMANCE CHARACTERISTICS

CPU	Qualcomm Snapdragon™ 2.2 GHz Octa Core Processor (SD660)
OS	Android 10 upgradeable to Android 14
Memory	4GB RAM / 64GB Flash (UFS)

PHYSICAL CHARACTERISTICS

Dimension (L x W x D)	158.3 x 75.8 x 14.9mm
Weight	286 g
Display	5.0" HD (1280 x 720), TFT-IPS
Touch panel	Capacitive multi-touch (Stylus, Glove, Wet)
Backlight	LED backlight
Power	User Replaceable 3.85V / 4350 mAh BOS™ Power manager station support, preventing downtime through battery life management and battery status
Hotswap	Support
Quick Charging	Fast charging
Expansion Slot	Up to 128GB MicroSD
SIM / SAM	Hybrid Dual SIM Slot (2 Nano SIM or 1 Nano SIM/1 Micro SD) - 1 Nano SIM is supported by micro SD Card Slot Single SAM (Optional)
Interface	USB Type C Connector (USB 2.0) Docking Connector (Charging)
Notification	Audible tone; multi-color LEDs; vibration
Keypad & Button	Power Button; Volume up/down Buttons; Home, Back, Menu Buttons; PTT Hot Key support - Available dual-action side scan triggers
Voice & Audio	High-quality dual speakers 2W (2Wx1) Dual noise-cancelling microphones; 3.5mm headset jack

Network

WWAN (WWAN SKU Only)	Korea : -LTE : B1(2100MHz), B3(1800MHz), B5(850MHz), B7(2600MHz), B8(900MHz), B28R(700MHz) -WCDMA : B1(2100MHz) Worldwide : - LTE FDD : B1(2100MHz), B2(1900MHz), B3/B9(1800MHz) B4(1700/2100MHz), 5/26/18/19(850MHz), B7(2600MHz), B8(900MHz), B20(800MHz), B28(700MHz) - WCDMA : B1, B2, B4, B5, B8, B9, B19
GPS	A-GPS, GLOASS, BEIDOU, Galileo

WLAN

Band	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/w IPv4, IPv6, 2x2 MU-MIMO (WiFi SKU) 1x1 SISO (WWAN SKU)

WPA

Bluetooth	Bluetooth v5.0, BLE Class 2

DATA CAPTUR

Barcode	1D & 2D Laser
Camera	Rear – 13MP Autofocus with flash Front – 5MP fixed
NFC	UHF RFID (Nominal read range: up to 1m)
Biometrics	Fingerprint (via Home button) (Optional)

SENSOR

Light Sensor	Ambient Sensor
Motion Sensor	Proximity, Accelerometer, E-Compass, Gyro, Barometer

USER ENVIRONMENT

Operating Temp.	20°C to 55°C / 4°F to 131°F
Storage Temp.	30°C to +70°C /-22°F to +158°F
Humidity	95% non-condensing
Drop Spec	1.5m MIL-STD-810G 1.8m(5.9ft.) MIL-STD-810G; Multiple 1.8m(5.9ft.) drops on concrete at room temperature with the rugged boot accessory
Sealing	IP68
Tumble Spec	300 1.6 ft./0.5m tumbles; meets and exceeds IEC tumble specification
Vibration	4G peak, 5 Hz to 2 kHz, 1 hour duration per axis
Thermal Shock	-40° C to 70° C / -40° F to 158° F rapid transition 10 cycles (1 cycle = 1.25 hours at -40°C and 1.25 hours at 70°C)
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

ACCESSORIES

Accessories	1) 1 or 4 slot charging cradle (Includes a bay for Spare Battery Charging.) 2) 1 or 4 slot ethernet cradle (Includes a bay for Spare Battery Charging.) 3) Handstrap 4) Protective Flim

※ Specifications are subject to change without notice.

Bluebird Inc.(Corporate Headquarters)
3F, 115, Irwon-ro, Gangnam gu, Seoul, Republic of Korea, Postal#06355 Phone. +82-1577-0778 Fax. +82.2.6499.2242
Copyright © Bluebird Inc. All rights reserved. Bluebird Inc. is the designer and manufacturer of Bluebird handheld mobiles.
Bluebird logo is registered trademark of Bluebird Inc. All other trademarks are property of their repective owners.