Datasheet

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IPSi INTEGRATED PRODUCTIVITY SYSTEMS
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A TSC Company BLUEBIRD

Light & Comfortable Enterprise Mobile Computer for any sized business

S10

Industry & Applications

Retail – Store associates
-Price checks
-Info/Item look up
-Put-away
-Inventory/cycle counts

Retail – Store managers
-Task assignment/management

Postal Carriers/Courier Drivers
-Proof of delivery
-Proof of condition
-Route accounting
-Employee ID checks
-Asset management

Field Service Technicians
-Parts inventory
-Route accounting & Invoicing
-Route optimization

Manufacturing/Warehousing workers
-Picking/collecting
-Shipping/receiving
-Asset management

Entertainment / Restaurant Workers
-Price checks
-Info/Item look up
-Put-away
-Inventory/cycle counts
-Task assignment/management

BOS™ Solutions & Software

-BOS™ Nest
-BOS™ Provisioning; Staging; Kiosk; Virtual Key
-BOS™ VoIP, PTT, PTT Essential
-BOS™ Wi-Fine™ (WiFi analyze application)
-BOS™ Keyboard
-BOS™ Secure ID (Security Management Solution)

3'rd Party Solutions Integration

-EMM : Airwatch, MobileIron,Mobicontrol, Mass360, XenMobile, Soti
-PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT

Bluebird introduces S10 to you, an enterprise mobile computer for every size of business. S10 is made for various kinds of users - it is including competitive cost-effectiveness for users who is worried about the high prices of mobile computer and ergonomic design for users with small hands. Also, since S10 is a light device, you can utilize it easily when you have to move around while you are working. Experience S10 which will become a perfect choice for your business.

Key Features

BEST-IN-CLASS FEATURES AND POWERFUL PERFORMANCE

Ultimate Performance

Adopting Qualcomm Octa-Core Up to 2.4GHz, and Android 14; upgradeable to Android 18 later.
The S10 packs the processing power to optimize your workflow.

Enhanced Wi-Fi coverage and Speed - with reduced power consumption

The S10 supports WiFi 6 ready, enabling your business to work efficiently. Wifi 6 ready comes with added benefits such as, MU-MIMO with 8 × 8 sounding, target wake time and wpa3 wifi security.

Ultimate Rugged & Durability

Through Bluebird TankSmith® technology, S10 is designed for the enterprise with the highest-in-class drop spec of 5ft.(1.5m) and sealing up to IP68 to provide the ultimate durability and usability allowing use in environments exposed to water, humidity, or dust.

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Key Features

BEST-IN-CLASS FEATURES AND POWERFUL PERFORMANCE

Slick & Light design

The consumer smartphone design and Android UI are easy to use in customer contact environments, and the light design provides convenient portability to reduce user fatigue.

Superior ergonomic design

The ergonomic grip reduces the burden on users and supports barcode scanning through dual-action side buttons while also supporting Push-To-Talk(PTT) functions, providing a convenient work environment for workers.

CONVENIENT CONNECTION & COMMUNICATION

Location-Free Two-Way Communication

If you use BOS™ PTT, a subscription-type Push-to-Talk (PTT) Essential service, you can communicate regardless of location. BOS™ PTT helps you send and receive calls and messages over a WiFi network.

World Class RFID Reader Connection Available

The RFR Series, Blubird's world-class handheld UHF RFID reader, enable fast and safe operation. They can read up to 1200 tags per second. If you connect Bluebird's adapter mount, you can reliably manage data on the reader connected to your mobile computer.

MANAGE YOUR WORK EFFICIENCY BY BOS™ OF BLUEBIRD

Easy initial device setup & security provisioning for hardware

Bluebird BOS™ Provisioning is designed to make the installation process faster and simpler, allowing customers to have all their devices ready for use as easy as possible. Once you create a staging file with all the required configurations, device settings and applications, devices will automatically configure themselves whether you connect devices to PC or simply scan a QR code without manual procedures.

Reliable Security

BOS™ NEST delivers visibility and lets IT admin stay in control of multiple mobile devices in their system, regardless of type of devices or operating systems, all from a single dashboard–enabling access control for shared devices and managing user ID and device groups. From deployment to retirement, BOS™ NEST makes it easy to manage mobile devices and mobilize the workforce to gain competitive advantage, while maintaining corporate data security.

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Specifications

PERFORMANCE CHARACTERISTICS

CPU	Qualcomm Octa-Core Up to 2.4GHz
Operating System	Android 14 Planned to be upgraded to Android 18
Memory	6GB RAM / 64GB UFS Flash 8GB RAM / 128GB UFS Flash (optional)

PHYSICAL CHARACTERISTICS

Dimensions (L x W x D)	161.26 × 75.8 × 14.9mm
Weight	Less than 257.5g
Display	5.5" HD+ (1440 × 720); 550 nits
Touchpanel	-Corning® Gorilla® Glass -Capacitive multi-touch (Stylus, Glove,Wet)
Backlight	LED backlight
Power	User replaceable battery Standard capacity 4500mAh / 15.4 Watt hours; BOS™ PowerManager for real-time battery management is supported in both Standard and Extended batteries.
Hot swap	Supported
Quick Charing	Fast charging
Expansion Slot	User accessible MicroSD supports up to 512GB
SIM / SAM	WWAN SKU Only : 1 Nano SIM, eSIM
Interface	Rear : 8-PIN communication connector Bottom : USB Type-C Connector 2-pin Charging Connector
Notification	Audible tone Vibration Scan LED Charging LED (multi-color LEDs)
Keypad & Button	On-screen keypad Power Button Volume Up/Down Button Programmable Button Dual-action side scan buttons
Voice and Audio	Dual noise-cancelling microphones; vibrate alert; High-quality Single speaker phone; PTT headset support; Bluetooth wireless headset support, 3.5mm headset jack
PTT Hot Key	Supported - available dual-action side scan triggers

WIRELESS WAN DATA AND VOICE COMMUNICATIONS

Radio Frequency Band	Worldwide : -LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B19/B20/B28 -LTE-TDD: B38/B40/B41 -UMTS: B1/B2/B3/B4/B5/B8/B9/B19 -GSM: 850/900/1800/1900
GPS	GPS/Glonass/BeiDou/Galileo/SBAS

WIRELESS LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v1/w/ax(ready)
Data Rates	2.4 GHz: 802.11b/g/n 20 MHz, 40 MHz — up to 150 Mbps 5 GHz: 802.11a/g/n/ac 20 MHz, 40 MHz, 80 MHz - up to 433 Mbp
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA3 Enterprise 192-bit Mode (GCMP-256) EAP-TLS; Enhanced Open (OWE)

WIRELESS PAN

Bluetooth	Bluetooth V5.0, BLE, Class 2

DATA CAPTURE

Scanning	Default : BE470 1D/2D Barcode Scanner
Camera	Rear : 13MP autofocus; flash LED Front : 5MP
NFC	ISO14443 Type A and B: FeliCa and ISO 15693 cards Card Emulation via Host (HCE) support

* Android version is subject to change depending upon Qualcomm's roadmap.
* Please be informed that Bluebird warranty program should be purchased to get Android upgrade service.
* Specifications are subject to change without notice and some features may vary by region.

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Specifications

SENSOR

Light Sensor	Ambient Light Sensor Automatically adjusts display backlight brightness
Other Sensors	Proximity, Accelerometer, Gyroscope,Magnetometer

USER ENVIRONMENT

Operating Temp	-20°C to 50°C / -4°F to 122°F
Storage Temp	-40°C to 70°C / -40°F to 158°F
Humidity	5% to 95% non-condensing
Drop Spec	5 ft./ 1.5 m drop to concrete per MIL-STD 810G across operating temperature 6 ft./ 1.8 m drop to concrete per MIL-STD 810G across operating temperature with rugged boot
Tumble Spec	600 tumbles, 1.6 ft./0.5 m; 600 tumbles 3.3 ft./1.0 m tumbles with optional protective boot
Sealing	IP68
Vibration	Sine: 4 g's peak, 5 Hz to 2 kHz, 1 hour duration per axis Random: 0.04 g^2/Hz or 6 g RMS, 20 Hz to 2 kHz
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)	+/- 15KV air discharge with charger +/- 8KV direct contact discharge with charger +/-8kVdc indirect discharge

SOFTWARE SOLUTIONS

BOS™	- NEST - Provisioning; - Staging; - Kiosk; - Virtual Key; - BOS™ Keyboard; - VoIP; PTT; PTT Essential - Wi-Fine™ (WIFI analyze application) - Secure ID (Security Management Solution)
3'rd Party Solutions Integration	EMM : Airwatch, MobileIron,Mobicontrol, Mass360, XenMobile, Soti PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT

ACCESSORIES

Accessories	5V/3A Direct Charging Power adapter USB C to A data cable 1 Slot Charging Cradle 4 Slot Charging Cradle Trigger Handle Hand Strap Rugged Boot Screen Protector Holster Stylus Pen

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