



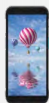
BLUEBIRD
A TSC Company

Bluebird Product Guide

Commercial Reference Catalog



Rugged Mobile Computers



S20

Accessible & Rugged 5G Mobile Computer
 - 6" display, Wi-Fi 6E, Android 13 → 17
 - IP68 rating, 1.5 m (5 ft) drop resistance
 - 4,000 mAh battery with hot-swap support
 - Rugged and ergonomic design



S50

Rugged and Powerful 5G Mobile Computer
 - 6" display, Wi-Fi 6E, Android 12 → 16
 - IP68 rating, 1.5 m (5 ft) drop resistance
 - 5,000 mAh battery with hot-swap support
 - Fast scanning & 16MP AF camera



S70

Ultra-Rugged 5G Mobile Computer
 - 6" display, Wi-Fi 6E, Android 12 → 16
 - IP68 rating, 3m (10 ft) drop resistance
 - 5,000 mAh battery, fast charging & hot swap
 - 16MP AF camera, scanner, and enterprise-grade durability.



S70 EX

Explosion Protection Mobile Computer
 - 6" display, Wi-Fi 6E & 5G, Android 12 → 16
 - IP68/ IP65 sealing (10 ft) drop resistance
 - 5,000 mAh battery, fast charging & hot swap
 - 16MP AF camera & scanner
 - ATEX, IECEx and UKEX certified

RFID Solutions



HF550X RFID

Mobile Computer with Short-Range RFID Reader
 - 5.45" HD+ display, Android 10 → 14
 - IP68 (WWAN)/ IP54 (WLAN) 1.2 m drop
 - 4000 mAh removable battery
 - Lightweight (205 g) Ergonomic for user comfort



RFR901 Stand Alone

Handheld UHF RFID Reader
 - Reads 1,300+ tags/sec with 10+ m range
 - Lightweight (353 g) with ergonomic pistol grip
 - Adapter accessory for multiple devices
 - Easily switch between RFID, barcode, or both



RFR901

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RFR901 Universal

Handheld UHF RFID Reader
 - Reads 1,300+ tags/sec with 10+ m range
 - Lightweight (353 g) with ergonomic pistol grip
 - Works standalone or with a device
 - 4,900 mAh replaceable battery



FR900

Enterprise-Class Fixed RFID Reader
 - Perfect reading accuracy, even near metal and liquids
 - Connects up to 8 antennas per reader
 - Rugged design with IP53 sealing
 - Flexible, cost-effective modular solution



DR Series: DR900 / DR901

Compact and Slim Desktop RFID Reader
 - Fast and accurate reading with built-in antenna
 - USB connection: easy to use, plug-and-play
 - Low installation cost
 - Ideal for a wide range of applications

Tablets



T10

Lightweight Android Enterprise Tablet
 - Large 10.95" sleek display, Android 14 → 18
 - 13MP rear camera, 8GB RAM
 - 128GB storage, 8,000mAh battery, and NFC
 - A complete solution for businesses of all sizes



T30

5G Android Enterprise Tablet
 - 10.1" display, Android 13 → 17
 - 13MP rear camera, 6GB RAM
 - 128GB storage, 8,000mAh battery, and NFC
 - Sleek yet rugged 5.24 ft drop, IP65



T10 Kiosk

Enterprise Android Kiosk Tablet with Total Solution
 - Large 10.95" 2K display, Android 14 → 18
 - 1D/2D barcode scanner, 8 MP front camera
 - 6 GB RAM, 128 GB storage
 - Global SKU with universal band and carrier support

5G 5G Rugged RFID

Keyboard Mobile Devices



EK430

Enterprise Keypad Mobile Computer
 - 4.3" Gorilla Glass display, Android 10 → 14
 - Rugged design: 1.8m (6 ft) drop resistance, IP65 sealing
 - High-capacity 6800 mAh replaceable battery
 - Optimized for tough enterprise environments



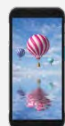
EK430 with Trigger Handle

Enterprise Keypad Mobile Computer
 - 4.3" Gorilla Glass display, Android 10 → 14
 - Rugged design: 1.8m (6 ft) drop resistance, IP65 sealing
 - High-capacity 6800 mAh replaceable battery
 - Optimized for tough enterprise environments



Retail

Enhance retail operations with smart printing, real-time inventory, mobile checkout, and personalized service—all from one integrated solution.



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HF550X RFID



Mobile Computer with Short-Range RFID Reader
- 5.45" HD+ display, Android 10 → 14
- IP68 (WWAN)/ IP54 (WLAN) 1.2 m drop
- 4000 mAh removable battery
- Lightweight (205 g) Ergonomic for user comfort



MOBILITY BUNDLE S20 + RE310

Manufacturing

Boost warehouse efficiency with real-time tracking, mobile data capture, label printing, and seamless integration across your entire operation.



EK430



Enterprise Keypad Mobile Computer
- 4.3" Gorilla Glass display, Android 10 → 14
- Rugged design: 1.8m (6 ft) drop resistance, IP65 sealing
- High-capacity 6800 mAh replaceable battery
- Optimized for tough enterprise environments



S50



Rugged and Powerful 5G Mobile Computer
- 6" display, Wi-Fi 6E, Android 12 → 16
- IP68 rating, 1.5 m (5 ft) drop resistance
- 5,000 mAh battery with hot-swap support
- Fast scanning & 16MP AF camera



S70



Ultra-Rugged 5G Mobile Computer
- 6" display, Wi-Fi 6E, Android 12 → 16
- IP68 rating, 3m (10 ft) drop resistance
- 5,000 mAh battery, fast charging & hot swap
- 16MP AF camera, scanner, and enterprise-grade durability.



RFR901

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PRODUCTIVITY BUNDLE EK430 + Alpha-30L

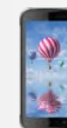
Transportation & Logistics

Streamline logistics with mobile tools and robust printing—track deliveries, label accurately, and boost communication from warehouse to last mile.



S70

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- IP68 rating, 3m (10 ft) drop resistance
- 5,000 mAh battery, fast charging & hot swap
- 16MP AF camera, scanner, and enterprise-grade durability.



EF551



High-Performance 5G Mobile Computer
- 6" FHD+ screen, Wi-Fi 6E, Android 12 → 16
- IP68 sealing (2.4 m) and IP65 1.5 m drops.
- 4,350 mAh hot-swappable battery
- CPU 2.7 GHz, fast scanning and durability



T30

5G Android Enterprise Tablet
- 10.1" display, Android 13 → 17
- 13MP rear camera, 6GB RAM
- 128GB storage, 8,000mAh battery, and NFC
- Sleek yet rugged 5.24 ft drop, IP65



RFR901

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RFID BUNDLE S70 + Alpha-30R + RFR 901

 											
Feature	S20	S50	S70	EF550	EF550R	EF551	HF550X	EK430	T10	T10 Kiosk	T30
Processor	Snapdragon QC4490	Snapdragon QC6490	Snapdragon QC6490	Snapdragon 660	Snapdragon 660	Snapdragon QC6490	Snapdragon 660	Snapdragon 660	Qualcomm Octa-core	Octa-core 2.8 GHz	Snapdragon QC4490
	2.4 GHz	2.7 GHz	2.7 GHz	2.2 GHz - 2.54 GHz *	2.2 GHz	2.7 GHz	2.2 GHz	2.2 GHz	2.8 GHz	2.8 GHz	2.4 GHz
Operating System	Android 13 (→17)	Android 12 (→16)	Android 12 (→16)	Android 10 (→14)	Android 10 (→14)	Android 12 (→16)	Android 10 (→14)	Android 10 (→14)	Android 14 (→18)	Android 14 (no GMS →18)	Android 13 → 17
RAM / Flash Memory	6GB/64GB 8GB/128GB*	6GB/64GB 8GB/128GB*	6GB/64GB 8GB/128GB*	4GB/32GB 4GB/64GB* 4GB/128GB*	4GB/32GB 4GB/64GB*	4GB/64GB 8GB/128GB*	4GB/32GB 4GB/64GB*	4GB/32GB 4GB/64GB*	6GB/128GB 8GB/128GB*	6 GB / 128 GB	6GB/128GB 6GB/128GB*
Display	6" FHD+ Gorilla	6" FHD+ Gorilla	6" FHD+ Gorilla	5.85" HD+ IPS	5.5" HD+ IPS	5.45" FHD+ Gorilla	5.45" HD+ IPS	4.3" WVGA IPS	10.95" IPS	10.95" IPS	10.1" WUXGA Gorilla
Rear / Front Camera	16 MP / 8 MP	16 MP / 8 MP	16 MP / 8 MP	13 MP / 5 MP	13 MP / 5 MP	13 MP / 5 MP	13 MP / 5 MP	13 MP / 5 MP	13 MP / 8 MP	8 MP front	13 MP / 8 MP
Connectivity	5G, Wifi 6E, BT 5.2	5G, Wifi 6E, BT 5.2	5G, Wifi 6E, BT 5.2	4G, Wifi 5, BT 5.0	4G, Wifi 5, BT 5.0	5G, Wifi 6E, BT 5.2	Wifi 5, BT 5.0, RFID	4G, Wifi 5, BT 5.0	Wifi, BT 5.2	Wifi, BT 5.0, RJ45 PoE	5G, Wifi 6E, BT 5.2
GPRS Slot	1 nano SIM / eSIM	1 nano SIM / eSIM	1 nano SIM / eSIM	1 nano SIM / 1 microSD	1 nano SIM / 1 microSD	1 nano SIM / eSIM	1 nano SIM / 1 microSD	—	—	—	—
PTT	PTT	PTT	PTT	Scan button	Scan button	Scan button	Scan button	Scan button	—	—	—
Battery	4000~*6000 mAh HS	5000~7000 mAh HS	5000~*7000 mAh HS	4350 mAh HS	4350 mAh	4350~*6160 mAh HS	4000 mAh	6800 mAh HS	8000 mAh	8000 mAh	8000 mAh
Dimensions (mm)	165×76.9×12.5	166.8×78.3×16.7	174×86.3×26	160×79×16.65	165×85.8× 23	159.9×79×16.6	160×77×18	210×76×37	257.4×162.7×7.4	262.2×166.8×30.7	256.6×165×11.4
Weight	243 g	290 g	340 g	284.5 g	332 g	284.5 g 332 g*	205 g	450~552(grip) g	473 g.	621 g.	690 g.
Drop Resistance	5 ft	4.9 - *6.6 ft	10 ft	5 ft	7.9 ft	7.9 ft	3.9 ft	5.9 ft	—	—	5.2 ft (1.6m) MIL – STD-810H
	(1.5 m)	(1.5 – *2.0 m)	3.05 m	1.5 m	2.4 m	2.4 m	1.2 m	1.8 m			with case
IP Certification	IP65/IP68	IP65/IP68	IP65/IP68	IP65/IP68	IP68	IP65/IP68	IP54	IP65	IP54	IP54 (front only)	IP65
Integrated Scanner	SE4710 SE4100* SE4720* SE55*	SE4720 SE4770* SE55*	SE4770 SE4720* SE55*	1D/2D Imager	1D/2D Imager	SE4720 SE4770* SE55*	1D/2D Imager	SE4710 SE4750* SE4850*	—	1D/2D Imager	1D/2D Imager
Expansion	microSD (up to 2TB)	microSD (up to 2TB)	microSD (up to 2TB)	microSD (32GB SDHC/ 512GB SDXC)	microSD (32GB SDHC/ 512GB SDXC)	microSD (up to 2TB)	microSD (32GB SDHC/ 128GB SDXC)	microSD (32GB SDHC/ 512GB SDXC)	microSD (up to 2TB)	microSD (up to 2TB)	microSD (up to 2TB)
Keyboard	Virtual (On-Screen)	Virtual (On-Screen)	Virtual (On-Screen)	Virtual (On-Screen)	Virtual (On-Screen)	Virtual (On-Screen)	Virtual (On-Screen)	30 Key Numeric 34 Key Numeric with FK 47 Key Alpha Numeric	Virtual (On-Screen)	Virtual (On-Screen)	Virtual (On-Screen)
Audio	Jack 3.5mm + dual mic	Speakers + mic	Speakers + mic	Mic + speakers	Mic + speakers	Dual mic + speakers	Mic + speakers	3.5mm jack	Speakers	Speakers	Dual speakers
Sensors	Ambient light Proximity Accelerometer Gyroscope eCompass Pressure	Ambient light Proximity Accelerometer Gyroscope eCompass Pressure	Ambient light Proximity eCompass Accelerometer Gyroscope SAR	Ambient light Proximity Accelerometer Gyroscope eCompass Pressure	Ambient light Proximity Accelerometer Gyroscope eCompass Pressure	Ambient light Proximity Accelerometer Gyroscope eCompass Pressure	Ambient light Proximity Accelerometer Gyroscope eCompass	Ambient light Proximity Accelerometer Gyroscope Accelerometer	Ambient light Proximity eCompass Accelerometer Gyroscope SAR	Ambient light Proximity eCompass Accelerometer Gyroscope SAR	Ambient light 3-axis Accelerometer with MEMS Gyro eCompass Proximity Sensor
BOS™ Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RFID pistol Grip				RFR900	RFR900	RFR900	RFR900				
	RFR901	RFR901	RFR901	RFR901	RFR901	RFR901	RFR901				
RFID Compatibility	NFC + UHF	NFC + UHF	NFC + UHF	NFC	NFC	NFC + UHF		NFC	NFC	Opcional	Opcional
Suggested Applications	Retail T & L Warehouse Healthcare Public Services	T & L Manufacturing Warehouse Public Services	T & L Manufacturing Warehouse Public Services	Retail Mobile Payments/POS Public Services	Retail Mobile Payments/POS Public Services	T & L Manufacturing Public Services Retail	Retail T & L Warehouse Healthcare Entertainment	T & L Warehouse Public Services Healthcare	Retail Mobile Payments/POS	Retail Mobile Payments/POS	Retail Mobile Payments/POS