

LM500BT Bluetooth Companion Scanner

Meet more retail scanning needs

As a cordless scanner, the LM500BT is small enough to tuck in a pocket, suitable for inventory counting in the store aisles. It supports USB communication interface, and can be converted into a corded scanner, offering compact scanning for the checkout counter, self-service kiosk and more.



Features

- Lightweight and small size
- High performance Zebra scan engine SE2707 inside
- Dual Mode Bluetooth 5.2
- Enhanced operation time (700 mAh built-in battery, 14 working hours)
- Micro-USB interface (supporting USB-HID and USB-CDC profiles)
- Multiple LEDs blink to indicate
- An active buzzer and vibration inside

Markets and Applications

- Retail (Mobile point of sale, Inventory management, Cycle counting)
- Transportation and Logistics (Route accounting)
- Light Manufacturing (Shipping labels, Asset tracking)
- Express Delivery

Physical Characteristics

Dimensions	2.36 in. L x 1.46 in. W x 0.59 in. D
	60 mm L x 37 mm W x 15 mm D
Weight	1.4 oz./40 g
Battery	700 mAh Li-ion battery

Performance Characteristics

Optical Resolution	640 x 400 pixels
Scan Engine	Zebra SE2707
Roll	360°
Pitch	±60°
Skew	±60°
Aiming Element	610nm LED
Illumination Element	1 Hyper Red 660nm LED
Field of View	Horizontal: 42°, Vertical: 28°
Ambient Light Immunity	Max 107,639 lux (direct sunlight)
Supported 1D Symbologies	Code 39, Code 128, Code 11, Codebar/NW7, UPC/EAN, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 DataBar, Code 93, MSI, UK Plessey, Telepen
Supported 2D Symbologies	Postal Codes, PDF417, Micro PDF417, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Grid Matrix
Offline Memory	1MBytes (63K records of UPC-A)

User Interface

LED	3 LEDs located at the top side of the device (programmable)
Beeper	Up to 85 dB @ 10 cm (programmable)
Vibration	Inside the ring trigger (programmable)
Button Trigger	Manual trigger with a long life of 5 million cycles

User Environment

Operating Temp.	32° F to 113° F/0° C to 45°
Storage Temp.	14° F to 113° F/-10° C to 45° C
Humidity	5% - 95% non condensing
Drop Spec.	Multiple 6 ft./1.8 m drops to concrete
Tumble Spec.	1,000 1.64 ft./0.5 m tumbles

Vibration	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
Electrostatic Discharge (ESD)	±15kVdc air discharge; ±8kVdc contact discharge

Bluetooth

Dual Mode Bluetooth 5.2

Supporting profiles: Human Interface Device Profile (HID), Serial Port Profile(SPP), GATT General Profile(BLE)

USB Interface

MicroUSB

Supporting profiles: Keyboard Emulation (USB-HID), Serial Port Profile(USB-CDC)

Regulatory

CE, RoHS, FCC

Decode Range

Symbology	Near/Far
Code 39: 5 mil	2.0 in./5.1 cm to 6.4 in./16.2 cm
Code 128: 5 mil	2.5 in./6.3 cm to 5.0 in./12.7 cm
PDF417: 6.67 mil	2.5 in./6.3 cm to 6.3 in./16.0 cm
UPCA: 100%	2.0 in./5.0 cm to 12.5 in./31.7 cm
DataMatrix: 20 mil	1.5 in./3.8 cm to 13.5 in./34.3 cm
QR Code: 20 mil	1.5 in./3.8 cm to 11.0 in./27.9 cm