BT-650 Series

Bluetooth Barcode Scanner

The BT-650 series handheld barcode scanner is designate for long distance data scan applications. Incorporating Bluetooth wireless technology, BT-650 scanner offers the users up to 50 meters of transmission range from the receiver (recharge/communication cradle). Even the radio link breaks, the Bluetooth radio link can still attempt to connect with the receiver.

With the highly sensitive scan module, BT-650 can capture barcodes easily even the barcodes are in poor condition. This feature ensures BT-650 capable of fast-capture and process demands.

By adapting exceptional power saving design, the BT-650 wireless barcode scanner can operate much longer than ordinary scanners and ensure the high grade reliability. Furthermore, the user-friendly operation and large memory capacity characteristics enable BT-650 be a cost-effective yet reliable data-scan solution.

Feature

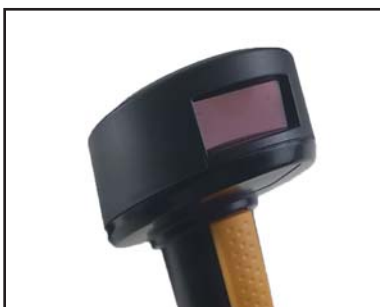| CCD Laser	100 scan/sec	Bluetooth Class 1	50 Meter Wireless
0.1 mm Resolution	55 cm max. Scan Range	Comm. Recharge Cradle	650nm ±10nm

Recharge/Communication Cradle

High-Sensitive Laser/CCD Scan Engines

- Light-weight and easy to operate
- Scan Speed: 100 scans/sec
- Integrated recharge/communication cradle with Bluetooth class 1 receiver
- Transmission Range: up to 50 meters (open space)
- High barcode readability
- Multiple operating modes selectable (On-line/Batch/Recapture)
- Various barcode standards support
- Large memory capacity (15,000)
- USB HID Interface

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Specification

Model No.	BT-650-M / BT-650-N	BT-650-C
General		
Scan Rate	100 scans/sec	100 scans/sec
Sensor Type	Laser diode	CCD
Wavelength	650nm±20nm	660nm ± 10nm
Maximum Pitch Angle	±65 degrees	
Minimum Skew Angle	±50 degrees	
Minimum Barcode Width	0.1 mm (4 mil)	
Depth of Field	3~55 cm	3~46 cm
Contrast Ratio	30%	45%
Scan Patten	Single scan line	
Resolution	0.1mm (4 mil)	
System Interface	USB Keyboard Wedge	
Indicator	Buzzer and LED illumination	
Buffer Capacity	192KB or approx. 15,000 scans (EAN 13)	
RF Frequency Band	2.4~2.4835GHZ, unlicensed ISM band	
Transmission Range*	Max. 50m, possibly over 70m in open spaces	
Readable Bar Code Symbologies	RSS Codes, EAN, UPC, I 2 of 5, Codabar, Code 39, Code 128, China Postage, Code 93, Code 11, MSI-Plessy, Code 4	
Configuration Utility	Windows-base, 2000/XP/Vista/Windows 7	
Electrical		
Power Input	5VDC ±5% (Scanner) / 5VDC ±5% (Cradle)	
Power Consumption (Operation Mode)	120 mA (BT-650-M, Bluetooth On) 70 mA (BT-650-N, Bluetooth On)	85 mA (Bluetooth On)
	110 mA(BT-650-M, Bluetooth Off) 60 mA (BT-650-N, Bluetooth Off)	75 mA (Bluetooth Off)
Power Consumption (Sleep Mode)	10 mA (Bluetooth On)	10 mA (Bluetooth On)
	0.7 mA (Bluetooth Off)	0.7 mA (Bluetooth Off)
Battery		
Battery Type	Rechargeable Lithium-ion Battery	
Battery Capacity	2200mAh	
Recharge Time	6-8 Hours (approx.)	
Recharge Connection	Battery charge with Recharge/Communication Cradle	
Others		
Operating Time	> 8 Hour (approx.) (approx. 40,000 scans/per charge)	
Material	ABS	
Color (Upper Cap/Handgrip)	White/Grey, Black/Black	
Compliance	FCC class A	
Weight	Scanner: 170g / Cradle: 190g	
Dimension	167.5 x 72 x 78 mm (Scanner Unit) 90.5 x 70 x 60 mm (Cradle)	
Ambient Light	3000 lux ~ 8000 lux	4500 lux
Operating Temperature	0°C~40°C	0°C~40°C
Operating Humidity	20% - 80% RH, non-condensing	20% - 80% RH, non-condensing
Storage Temperature	-20°C~ 65°C	-20°C~ 65°C
Storage Humidity	5% - 95% RH, non-condensing	5% - 95% RH, non-condensing

* The wireless transmission range may vary depending on the placement and size of surrounding objects.

ISO-9002 Certified

CE FC