

# TICODE®

# TI6820BER

High performance & High protection

Wireless 2D Barcode Scanner



TI6820BER (Ultra long depth of field)

TI6820BER is a Bluetooth 2D scanner specially designed for long-distance (long depth of field) barcode scanning. It can read fast large-size 1D and 2D barcodes at a distance of more than ten meters.

## Features

- ◆ Ultra-long working depth of field, the scanning distance of large-size barcodes can reach more than ten meters;
- ◆ Good at scanning scratched bar codes, highly reflective bar codes, high-density barcodes, miniature barcodes and other difficult barcodes
- ◆ Bluetooth and 2.4G dual-mode communication;
- ◆ Good ergonomic design for long-time working
- ◆ Built-in data memory, which can store up to 50,000 bar codes
- ◆ IP68 waterproof and dustproof.
- ◆ It can be desktop or by wall mounted

## Applications

- ◆ **Large Warehousing and logistics**  
It can scan efficiently both in poor-light warehouses and outdoors in direct sunlight. It can also capture codes on a shelf or truck over 10 meters away.
- ◆ **Cold chain and wharf**
- ◆ **Industrial production**
- ◆ **Other occasions that need to scan barcodes from a long distance**

# Parameters

Power and Battery	
Voltage	DC5±0.25V
Power	TI6820BER 460mA
Battery	2600mA (standard) ; 3300mA (Optional)
Endurance	On condition scanning every 2mins: 2600mA, can work up to 19hrs 3300mA can work up to 24hrs
Performance Ability	
Lighting & Aiming	Red Lighting, Red laser aiming;
Resolution	Megapixels
Scan Angle	±72°、±72°、360° (Skew、Pitch、Roll)
Contrast	≥25%
Code Res.:	≥4mil
Scan Ability	Printed, Sprayed, On-screen
Code Types	<b>2D:</b> QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, MaxiCode <b>1D:</b> UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, code 39, Code 39 (Full ASCII) , code 32, Interleave 2 of 5, Industrial 2 of 5, Matrix 2 of 5, IATA 25, Codebar, Code 128, Code 93, Code11 cMSI/Plessey, UK/Plessey, UCC/EAN 128, Composite Code - A/B/C, GS1 DataBar (RSS) etc

Communication Method	
Wireless	Bluetooth and 2.4G dual-mode
Contact Radius	Bluetooth 30m, 2.4G 100m;
Group Work	A socket can support up to 100 handsets at the same time
Interface	USB-HID; SPP; BLE
Trigger Mode	Manual, Consecutive Scanning, Auto-sensing
Alert Mode	Buzzer (volume and tone adjustable), LED light, vibrator
Material & Environment	
Shield Materials	Bi-color: ABS+PC/TPU ; Single: ABS ; Transparent: PC ; Waterproof ring: Silica gel
Scan Window	Scratch-resistant toughened glass
Temperature	-20°C~55°C (Working) -40°C~70°C (Storage)
Humidity	5%~95% (Non-condensing)
Luminance	0~100,000LUX
Dust & Water Proof	Scanner: IP68; Socket: IP52
Shock Proof	Withstand multiple drops from 1.5 meters to concrete surface
Setting Method	Scan setting barcodes / press button on socket
Security Certification	
certification	CE, FCC-ID, ROHS
Others	

**Guangzhou TiCODE Electronics Technology Ltd.** <https://ticodescan.com/>

**National High-Tech Enterprise**

**Professional solution provider and manufacturer of Barcode Scanner**

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