



MB200

Pocket Scanner

SCANTECH ID[®]
CHAMPTEK Group

Introduction

MB200 is a brand new compact design which is especially for ticketing, stocktaking or logistic market. With its tiny body, it can be easily carried in pocket or bag for mobility application. It can easily connect to the mobile device as a host by Bluetooth technology and transfer all the scanned data immediately to the corresponding application program.

With its auto-shuttle-emulation-like smart detection that offers superior decoding on a reading speed up to 500 scans per second and up to 500mm reading depth for the majority of 1D barcodes, the scanner delivers excellent decoding performance.

MB200 is absolutely a high performance compact barcode scanner that provides the most cost-effective solutions in the market. It is perfectly suitable and definitely the best choice for the application with mobile devices.

Features

- Easy Control With 2 Buttons
- Rechargeable Li-Poly Battery With User Compartment for Easy Replacement
- Data Transmission via Bluetooth V2.1+EDR(Class2, HID/SPP)
- High Performance with CCD/ 2D / Laser Scan Module
- Large Data Storage of 8MB Memory
- Reliable Design to Fulfill 1.5m Meter Drop Threshold, IP54-Rated
- Easy Development in AP

MB200

Specifications

• System

| | |
|--------------------|---|
| Micro Processor | 32-bit |
| Operating Platform | Proprietary |
| Flash Memory | 128 Kbyte program. 8M bytes user data that can save over 100,000 items of 50 bytes barcode data. |
| RAM Memory | 20 Kbytes |
| Input Keys | 2 buttons, include 1. scan and confirm trigger button, 2. upward scroll button , |
| Indicator | 1. LED x 1 2. Beeper x 1 3. Vibrator x 1 |

• Power Source

| | |
|------------------|-----------------------------------|
| Battery | Lithium-Polymer (3.7V DC, 550mAh) |
| Battery Charging | via Micro USB connector |

• Physical Characteristics

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|-----------------|--|
| Dimensions | 41.8mm x 89.9mm x 23.6mm (W x D x H) |
| Weight | Designed to be approx. 70 g |
| Available color | Black cover and dark gray bottom cases |
| Hanger | 1 Hanger Hole |
| Protection | IP54 sealing protection |
| Drop Spec. | 1.5m (5 feet) |

• Data Input

3 Options: by respective rollout schedule.

One of the barcode scanners

- (1) CCD 1D Scanner
- (2) 2D imager scanner
- (3) Laser 1D scanner

• Communication Interface

| | |
|----------|--|
| Wired | Micro USB V2.0 (for Power charge and Batch data transmission) |
| Wireless | Bluetooth 2.1 + EDR |

• Functions

| | |
|------------------------|---|
| Standby Duration | Over 3 months |
| Scan per charge | 50,000 scans [BT off] / 5000 scans [BT On] under normal operating conditions after battery full charged. |
| Low Battery Alert | Battery levels are indicated by the LED illuminating color |
| Data Handling | Able to be chosen as on-line (via BT or Wifi) or off-line (batch) mode. |
| Off-line Mode | Can save over 50,000 items of 50 bytes barcode data. |
| Indication combination | Can be configured as (1) LED indication (2) LED indication + Beep (3) LED indication + Vibration |
| Compatibility | Customers can easily develop AP on different OS. |

Due to ChampTek's continuing product improvement programs, specifications and features are subjected to change without prior notices.