

# T3

## World tiniest scanner



## World tiniest scanner

T3 is a new generation ring scanner designed for warehouses and distribution centers. It has a practical, lightweight, compact, and extremely simplified integrated design (weight only 23G). It is mainly used to scan product barcodes and QR codes, and can be used in industries such as warehouse inbound and outbound, inventory, supermarket checkout, and express delivery. Equipped with sound, vibration, and LED light prompts, battery level indicator, Bluetooth low-power design, and NFC pairing function. Used for more than 10 hours, The standby time can last up to 6 months.

## Why T3 so uinique?

The ring part adopts a double semi-circular soft rubber design, which brings comfort to the user while ensuring the stability of wearing; It can also be applied to both hands. The whole machine adopts a hidden induction switchtton, magnetic charging, and a minimalist design of ultrasonic welding technology, which is both beautiful and enhances the dust and water resistance level (IP65 level), and also extends the service life.

## PRODUCT SPEC SHEET

|                          |                                                                                                                                                     |                                          |                                        |                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|---------------------------------|
| Product name             | Ring barcode reader                                                                                                                                 |                                          |                                        |                                 |
| Model name               | T3                                                                                                                                                  |                                          |                                        |                                 |
| Dimensions               | 43.5×29.7×16.7 mm (L×W×T) (Plus ring height 39.5mm)                                                                                                 |                                          |                                        |                                 |
| Weight                   | 26 grams                                                                                                                                            |                                          |                                        |                                 |
| Material                 | Polycarbonate housing with overmold( PC+TPU)                                                                                                        |                                          |                                        |                                 |
| Communication            | Bluetooth 4.2 (Cypress Bluetooth chip), supports Bluetooth HID, SPP, BLE, range 50 meters (hassle-free), rechargeable Bluetooth adapter (optional). |                                          |                                        |                                 |
| Bluetooth pairing method | Scan code pairing, cell phone/computer search pairing                                                                                               |                                          |                                        |                                 |
| OS                       | IOS, Android, Windows                                                                                                                               |                                          |                                        |                                 |
| Battery power            | Capacity                                                                                                                                            | 520mAh                                   |                                        |                                 |
|                          | Standby                                                                                                                                             | > 180 days                               |                                        |                                 |
|                          | Charge time                                                                                                                                         | 2.5 hours                                |                                        |                                 |
|                          | Battery level indicator light                                                                                                                       | Flashing red LED and alarm: less than 5% |                                        |                                 |
|                          |                                                                                                                                                     | Flashing red LED: 5%-10%                 |                                        |                                 |
|                          |                                                                                                                                                     | Flashing orange LED: 10%-40%             |                                        |                                 |
|                          |                                                                                                                                                     | Flashing green LED: greater than 40%     |                                        |                                 |
|                          | Duration                                                                                                                                            | Continuous trigger scanning interval     | Decoding number                        | Working time                    |
|                          |                                                                                                                                                     | 5S (+25℃)                                | 16428                                  | 23 hours                        |
|                          |                                                                                                                                                     | 5S (-20℃)                                | 9385                                   | 13 hours                        |
| Scan engine              |                                                                                                                                                     | <input type="checkbox"/> E3P             | <input checked="" type="checkbox"/> N1 | <input type="checkbox"/> SE4107 |
| Scan mode                | Trigger mode, Continuous, Sense mode                                                                                                                |                                          |                                        |                                 |
| Ambient illumination     | 0~100,000LUX                                                                                                                                        |                                          |                                        |                                 |
| Material                 | PC+TPU                                                                                                                                              |                                          |                                        |                                 |



Shenzhen Effen Ltd

Tel: 86 0755 23229300

Fax: 86 0755 23229300

Email :info@effon.com

Website : www.effon.com

## PRODUCT SPEC SHEET

|                                                            |                         |                                                                                                                                                                                                                                     |
|------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scanner performance                                        | Sensor type             | 640×480 CMOS                                                                                                                                                                                                                        |
|                                                            | Light                   | Illumination : White LED ; Aiming : 625nm Red LED                                                                                                                                                                                   |
|                                                            | Scanner angle           | ±60°, ±60°, ±360° (skew, pitch, Roll)                                                                                                                                                                                               |
|                                                            | Field of view           | Horizontal : 42° , Vertical : 35.1°                                                                                                                                                                                                 |
|                                                            | Readability             | ≥3mil                                                                                                                                                                                                                               |
|                                                            | Contrast                | ≥ 25%                                                                                                                                                                                                                               |
| Barcode type                                               | 1D                      | Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey |
|                                                            | 2D                      | PDF417, QR Code, Micro QR, Data Matrix                                                                                                                                                                                              |
| Decoding depth &<br>Max. Resolution<br>(1 mil = 0.0254 mm) | EAN13(13mil)            | 65mm~350mm (13mil)                                                                                                                                                                                                                  |
|                                                            | PDF 417                 | 50mm~125mm (6.7mil)                                                                                                                                                                                                                 |
|                                                            | Code 39                 | 40mm~150mm (5mil)                                                                                                                                                                                                                   |
|                                                            | Data Matrix             | 45mm~120mm (10mil)                                                                                                                                                                                                                  |
|                                                            | QR Code                 | 30mm~170mm (15mil)                                                                                                                                                                                                                  |
| Environmental parameters                                   | Tumble Spec.            | 2,000 3.94ft./1.2m tumbles                                                                                                                                                                                                          |
|                                                            | Temperature             | Operating : -20°C to 60°C                                                                                                                                                                                                           |
|                                                            |                         | Storage:-20°C to 60°C                                                                                                                                                                                                               |
|                                                            | Humidity                | 5% to 90% (non-condensing)                                                                                                                                                                                                          |
| Consumption                                                | Power off               | 0MA                                                                                                                                                                                                                                 |
|                                                            | Bluetooth not connected | 10MA                                                                                                                                                                                                                                |
|                                                            | Bluetooth connected     | 12MA                                                                                                                                                                                                                                |
|                                                            | Connecting              | 30MA                                                                                                                                                                                                                                |



Shenzhen Effen Ltd

Tel: 86 0755 23229300

Fax : 86 0755 23229300

Email :info@effon.com

Website : www.effon.com

## PRODUCT SPEC SHEET

|                      |                               |                                                                                                                                                                              |
|----------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wearing and opration | Ring wear                     | Ring-size 17mm+, Elastic adaptation                                                                                                                                          |
|                      | Gloves                        | Optional                                                                                                                                                                     |
|                      | Buttons                       | Two touch keys (function can be set), support glove touch operation. One extendable pogopin button for glove operation.                                                      |
|                      | Status display type           | LED, Motor, Buzzer                                                                                                                                                           |
|                      | Interfaces                    | 4 pogopins: 5V, GND, Reset, Key                                                                                                                                              |
| Charging cradle      | Interfaces                    | 4 pogopins for T3, 1 typeC for power supply, 2 DC connectors can be connected in series with charging cradle                                                                 |
|                      | Status display                | Red LED: Charging indication                                                                                                                                                 |
|                      |                               | Blue LED: Bluetooth connection indication                                                                                                                                    |
|                      |                               | Green LED: Data transfer indication                                                                                                                                          |
|                      |                               | Buzzer: Data indication                                                                                                                                                      |
|                      | Data cable                    | USB interface, cable length 1.5 meters (RS232 and TTL interface optional)                                                                                                    |
|                      | Buttons                       | 1 for charging cradle reset, 1 for T3 reset                                                                                                                                  |
|                      | Power Adapter Recommendations | Power supply voltage requirement 5V, fast charging adapter is not recommended                                                                                                |
|                      | Combined charging             | Supports powering up to 10 T3 charging docks at the same time using a single power adapter.                                                                                  |
|                      | Use as adapter (optional)     | Connected to T3: Scan the code in Bluetooth SPP mode to pair and connect with the adapter. The charger adapter is capable of simultaneous data transmission with up to 7 T3s |
|                      |                               | Connected to the host computer: USB or serial port                                                                                                                           |
| Certificate          | CE, FCC, IP65, FDA            |                                                                                                                                                                              |
| Scanning current     | 120MA                         |                                                                                                                                                                              |



Shenzhen Effen Ltd

Tel: 86 0755 23229300

Fax: 86 0755 23229300

Email :info@effon.com

Website : www.effon.com