

## PRODUCT SPEC SHEET

|                      |                                                   |                                                                                                                                                                                      |                 |              |
|----------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| Product name         | Bluetooth Barcode Reader                          |                                                                                                                                                                                      |                 |              |
| Model name           | TS02                                              |                                                                                                                                                                                      |                 |              |
| Dimensions           | 30.3×33.3×28.0mm (L×W×H)                          |                                                                                                                                                                                      |                 |              |
| Weight               | 30.4grams (Without silicone case)                 |                                                                                                                                                                                      |                 |              |
| Material             | Polycarbonate housing (PC)                        |                                                                                                                                                                                      |                 |              |
| Electrical           | Power: DC5V Typical: 300mA DC5V                   |                                                                                                                                                                                      |                 |              |
| CPU                  | 32bit ARM CPU                                     |                                                                                                                                                                                      |                 |              |
| Data storage         | 100KB for offline mode: 6000 15 bytes barcodes    |                                                                                                                                                                                      |                 |              |
| Working mode         | Bluetooth mode, offline mode                      |                                                                                                                                                                                      |                 |              |
| Communication        | Class 3 Bluetooth HID, SPP, BLE with 30M distance |                                                                                                                                                                                      |                 |              |
| OS                   | IOS, Android, Windows, Mac                        |                                                                                                                                                                                      |                 |              |
| Battery power        | Capacity                                          | 500mAh                                                                                                                                                                               |                 |              |
|                      | Standby                                           | > 30 days                                                                                                                                                                            |                 |              |
|                      | Charge time                                       | 2 hous                                                                                                                                                                               |                 |              |
|                      | Duration                                          | Continuous trigger scanning interval                                                                                                                                                 | Decoding number | Working time |
|                      |                                                   | 1S                                                                                                                                                                                   | 16344           | 4.5hours     |
|                      |                                                   | 5S                                                                                                                                                                                   | 7666            | 10.6hours    |
|                      |                                                   | 10S                                                                                                                                                                                  | 4531            | 12.6hours    |
| Scan Engine          | ■SE2707                                           |                                                                                                                                                                                      | □SE655          | □N1          |
| Scan mode            | Manual mode, Continuous, Host, Sense mode         |                                                                                                                                                                                      |                 |              |
| Ambient illumination | 0~107,639 lux                                     |                                                                                                                                                                                      |                 |              |
| Scanner performance  | Sensor Type                                       | 640 (horizontal) × 400 (vertical) pixels                                                                                                                                             |                 |              |
|                      | Light                                             | 610nm LED(Aiming LED), 660nm red LED(Illumination)                                                                                                                                   |                 |              |
|                      | Scanner Angle                                     | ±60°,±60°,±360°(skew, pitch, Roll)                                                                                                                                                   |                 |              |
|                      | Field of view                                     | Horizontal: 42° , Vertical: 28°                                                                                                                                                      |                 |              |
|                      | Contrast                                          | ≥20%                                                                                                                                                                                 |                 |              |
|                      |                                                   | UPC-A, UPC-E, UPC-E1, EAN-8/JAN-8, EAN-13/JAN-13, Bookland EAN, ISSN EAN, Code 128, GS1-128(formerly UCC/EAN-128), ISBT 128. Check ISBT Table. Code 128 Reduced Quiet Zone. Code 39. |                 |              |

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|---------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Barcode Type</b>                                                 | 1D                                         | Code 39, Code 128, Code 128 Reduced Quiet Zone, Code 39, Trioptic Code 39, Convert Code 39 to Code 32, Code 32 Prefix, Code 39 Check Digit Verification, Code 39 Full ASCII, Code 39 Reduced Quiet Zone, Code 93, Code 11, Interleaved 2 of 5, I 2 of 5 Reduced Quiet Zone, Discrete 2 of 5, Codabar(NW-7), CLSI Editing, NOTIS Editing, MSI, Chinese 2 of 5, Matrix 2 of 5, GS1 DataBar-14, GS1 DataBar Limited, GS1 DataBar Expanded, Convert GS1 DataBar to UPC/EAN/JAN, Composite CC-C, Composite CC-A/B, Composite TLC-39, GS1-128 Emulation Mode for UCC/EAN Composite Codes |
|                                                                     | 2D                                         | PDF417, MicroPDF417, Code 128 Emulation, Data Matrix, Maxicode, QR Code, Micro QR, Aztec, HanXin, US Postnet, US Planet, UK Postal, Japan Postal, Australia Post, Netherlands KIX Code, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal                                                                                                                                                                                                                                                                                                                                        |
| <b>Decoding depth &amp; Max. Resolution<br/>(1 mil = 0.0254 mm)</b> | Code 39                                    | 51mm -162mm (5mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                     | Code 128                                   | 63mm -127mm (5mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                     | PDF417                                     | 63mm -160mm (6.6mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                     | PDF417                                     | 45mm - 228mm (10mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                     | 100%UPC                                    | 50mm -317mm (13mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                     | Code 39                                    | 50mm - 495mm (20mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                     | Data Matrix                                | 38mm - 343mm (20mil);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                     | QR Code                                    | 38mm -279mm (20mil).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Certificate</b>                                                  | CE, Rohs, FCC, IEC, EC/EN60950, EC/EN62471 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Environmental parameters</b>                                     | Drop resistance                            | Pass 200 times 1.5m drop test (with silicone case)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                     | temperature                                | Operating : -5°C to 50°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                     |                                            | Storage: -20°C to 60°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                     | Humidity                                   | 5% to 90% (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |