

Flexible Anti-Metal Desktop UHF RFID Reader Label Printer

SBPR-U2501

SBPR-U2501 is a compact yet powerful UHF RFID printing solution that combines thermal/thermal transfer printing with real-time tag encoding. With a max print speed of 6 inches per second and support for ISO18000-6C tags, this printer is ideal for encoding flexible anti-metal tags, labels, and asset tags in demanding retail, logistics, or healthcare environments.

Features and Benefits:

- Printing Method: Thermal & thermal transfer
- Resolution: 300 DPI (11.8 dots/mm) for sharp, high-quality output
- RFID Encoding: Integrated UHF reader/encoder for ISO18000-6C / EPC Gen 2 tags
- Fast Printing: Speeds up to 6IPS (152.4 mm/s)
- Label Compatibility: Supports flexible anti-metal tags, 0.06–1.5 mm thickness
- Software: Includes self-developed RFID encoding & printing software
- Interfaces: USB, RS-232, and RJ45 for easy system integration
- Multimode: Print+encode, encode-only, or print-only flexibility



Applications:

- RFID asset tag encoding
- Retail shelf/product labelling
- Hospital equipment tagging
- Library book tagging
- Logistics label printing & encoding

SOOCHAK BHARAT TECHNOLOGIES PRIVATE LIMITED

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SPECIFICATIONS

Physical Parameter	
Dimensions (in mm)	208mm X 310mm X 195mm
Colour	Black
Weight	2.62 Kg approx.
Printing Method	Thermal
UHF Technical Parameters	
Protocol	EPC Class 1 Gen2 (ISO 18000-6C)
Resolution	300 DPI (11.8 point/mm)
Memory	8 MB Flash ROM, 16 MB SDRAM
Printing Speed	6 IPS (152.4mm/s)
Maximum Printing Width	4.15" (105.6 mm)
Maximum printing length	78.7"(2000mm)
Label roll size	Width: maximum 4.5"116 mm, minimum 0.8"20 mm Outer diameter: maximum 5" (127 mm) Inner diameter: minimum 1" (25.4)
Label thickness	0.06-1.5mm (0.002"-0.06"), including backing paper thickness, supporting flexible anti-metal tags
RFID Function	Integrated high-performance UHF RFID reader/encoder, supporting tags compatible with UHF EPC Gen 2/ISO 18000-6C. 1. Supports working modes of printing while reading and writing data, printing only, or reading and writing data only; 2. Supports reading TID, EPC, and TID+EPC data from tags; 3. Supports bidirectional communication between USB and network, allowing real-time feedback on printer status.
Barcode	Code 39, Code 93, Code 128, Coda bar, EAN-8/13/128, Interleaved 2 of 5, UCC-128, UPC A/E 2 and 5 add-on, and other 1D bar codes; Data Matrix, Maxi Code, PDF417, QR, and other 2D bar codes
Interface	RS-232\USB\RJ45
Label thickness	0.06-1.5mm (0.002"-0.06")
Paper detection method	Dual sensors for reflection and transmission

Soochak Bharat, with its technical expertise in RFID technology, focuses on designing, developing, innovating, and deploying RFID hardware solutions.

*Read range is dependent on tag size and design.

*Soochak Bharat reserves the right to make changes in the above specifications without notice.

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