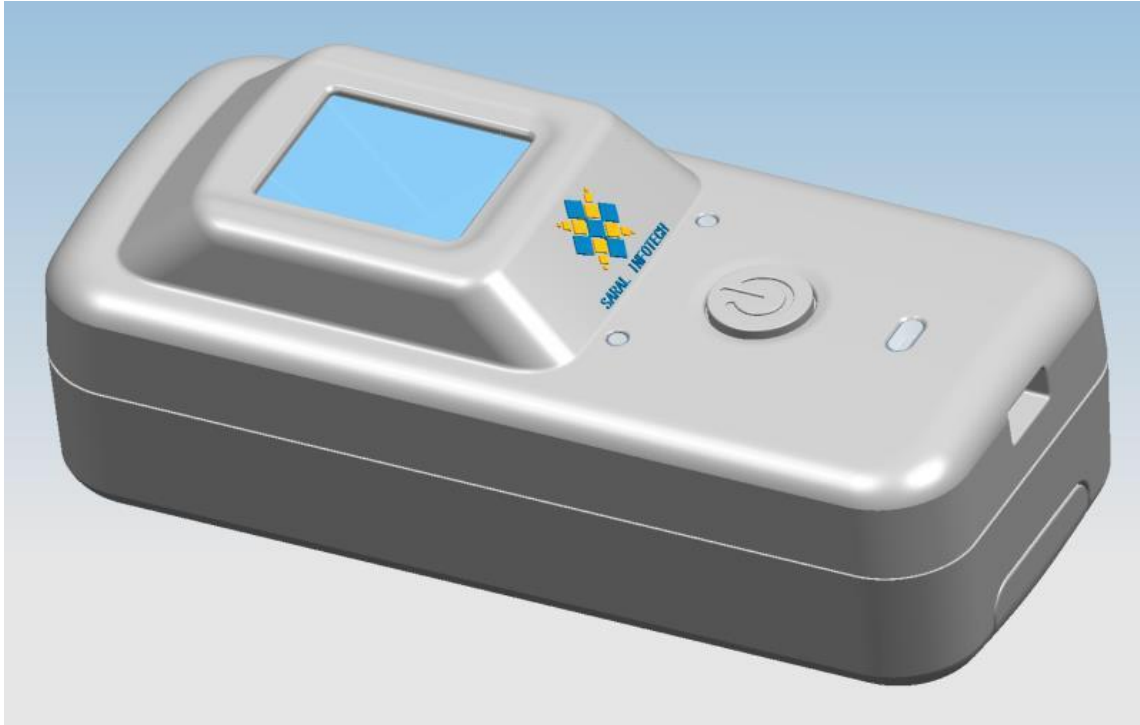


## **SARAL S600 BLUETOOTH BIOMETRIC**



The Saral S600 Bluetooth is a stand-alone fingerprint recognition system that captures and stores fingerprint data and identifies or verifies registered users. The S600 Bluetooth consists of the FAP20 Optical Fingerprint module housed in an ergonomic case with a multi-functional button, LED indicators, rechargeable battery, and USB port. The S600 Bluetooth can also serve as a fingerprint reader that transfers fingerprint data to host devices such as smart phones or tablets via Bluetooth for further handling. The fingerprint reader is rotationally-independent and was designed to comfortably scan fingers from either direction, whether held in the hand or on a desktop.

### **Key Features**

- Auto-On™ Automatic Finger Detection
- Smart Capture™
- USB 2.0 for charging
- FBI certified fingerprint sensor for FIPS 201, PIV and Mobile ID FAP 20 compliance
- Interface to host: Bluetooth
- Three LED status indicators
- Class 2 Bluetooth transceiver
- Support for Bluetooth Serial Port Profile Services (SPP)
- Provides emulation SPP for BLE (iOS interface support)
- Built-in removable 18650 lithium ion polymer rechargeable battery



## Technical Specifications

| <b>General</b>                               |   |
|--|---|
| Dimensions                                   | 46.9 mm (W) x 106 mm (L) x 31.1 (H) mm                        |
| Operating Temp. / Humidity                   | -10°C ~ 60°C / 90% RH (max., non-condensing)                  |
| Charging Temp.                               | 10°C ~ 45°C   |
| Weight                                       | 95 grams  |
| Supply Voltage                               | Built-in battery or 5.0V DC $\pm$ 5% via USB connection       |
| Current Consumption                          | 200 mA (max. Operating)<br>500 mA (max. Charging & Operating) |
| USB Interface                                | For charging  |
| Operating Systems Supported                  | Windows, Linux, Android and iOS                               |
| <b>Fingerprint Reader</b>                    |   |
| Model  | FAP20 Optical Fingerprint Reader                              |
| Image Resolution                             | 500 PPI   |
| Image Size                                   | 300 x 400 pixels  |
| User Capacity                                | Up to 700 users (1,400 templates)                             |
| Effective Sensing Area                       | 18.1 mm x 22.9 mm   |
| Sensing Area                                 | 15.24 mm x 20.32 mm   |
| Image Grayscale                              | 256 levels (8-bit)  |
| Light Source / Typical Lifetime              | LED / 60,000 hours  |
| Fingerprint Capture Time                     | 0.2 ~ 0.5 sec with Smart Capture™                             |
| <b>Bluetooth</b>                             |   |
| Class 2 Module                               |   |
| Dual-mode Bluetooth / Low energy (BLE) radio |   |
| Fully qualified Bluetooth 4.0                |   |
| Supports 802.11 coexistence                  |   |
| <b>Battery</b>                               |   |
| Rated Capacity                               | 2500 mAh (18650 Battery)                                      |
| Internal Resistance                          | $\leq$ 70 m $\Omega$  |
| Voltage                                      | 3.7 V (nominal), 4.2 V (charged), 2.75 V (discharge cut-off)  |