



**BLUPRINTS**  
INNOVATIONS IN BUSINESS MOBILITY

**FIN-TECH  
SERIES**

# VRIDDHI - L1

Bluetooth Enabled 2-inch (58mm)  
Mobile Thermal Printer with Built-In  
Aadhar Enabled L1 Fingerprint Scanner

**ELEVATING SECURITY WITH L1  
BIOMETRICS IN THE UNIVERSE OF  
BANKING & NATIONAL ID**

**BLUPRINTS VRIDDHI SERIES:  
AADHAR ENABLED | L1 FINGER SCANNERS | HANDHELD  
PRINTERS | POS TERMINALS | MICRO ATM'S**

**BIS R. NUMBER:**

- R-93005070 (PRINTER)
- R- 72003948 (SCANNER - FM220UL1)

Aadharshila Mobility Solutions Pvt. Ltd.  
Plot Number 63, Hartron Complex, Electronic City,  
Udyog Vihar Phase - 4, Sector 18, Gurgaon, Haryana -122015, India





# VRIDDHI -L1

BluPrints presents **Vriddhi L1** – An **AADHAR Enabled, Portable Bluetooth & USB Enabled Thermal Printer & L1 Fingerprint Scanner**, with built-in rechargeable battery.

## Biometric Brilliance: Your E-KYC Game-Changer

“BluPrints Vriddhi L1 series is a game-changer. Say goodbye to outdated verification methods and embrace the future with Vriddhi L1 – the ultimate tool for secure E-KYC processes.”



## KEY HIGHLIGHTS

- STQC & UIDAI CERTIFIED L1
- AADHAR (AEPS) ENABLED
- BLUETOOTH & USB ENABLED
- OPERABLE ON WINDOWS & ANDROID VIA RD SERVICES (L1) & SDK
- COVERED UNDER 1 YEAR WARRANTY
- 800+ PAN-INDIA SERVICE CENTRES
- BIS, CE CERTIFIED
- HIGH GRADE ABS PLASTIC
- IMAGE PRINTING, BARCODE AND QR CODE PRINTING
- COMPATIBLE WITH SMART DEVICES
- HIGH THROUGHPUT, HIGH QUALITY AND FAST PRINT SPEED PRINTING 80MM/SEC
- MADE IN INDIA

## CONTACT US

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At the heart of Vriddhi L1, is the **STQC and UIDAI Certified FM220U-L1, Finger Print Scanner**, which brings a new level of security to all the Banking and EKYC Applications in UIDAI's AADHAR Ecosystem.

## TECHNICAL SPECIFICATIONS

|                                    |                                                                                                                   |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Model                              | Vriddhi- L1 (using FM220U-L1 Scanner)                                                                             |
| Sensing Principal                  | CMOS sensors / UIDAI & STQC Certified: L1                                                                         |
| Active sensor area Dimension       | 15.44x17.475 (in mm) (HxV)                                                                                        |
| Pixel                              | 304 * 344 pixel (HxV), 8 bit/pixel                                                                                |
| Resolution                         | 500 dpi (H), 500 dpi (V), 600 dpi optional)256 grey levels native resolution                                      |
| False Rejection Rate (FRR)         | 1/100-1/30                                                                                                        |
| False Acceptance Rate (FAR)        | 1/100,000-1/1000,000                                                                                              |
| Modulation Transfer Function       | 0.4 at 10 cycle/mm                                                                                                |
| Operating System                   | Android, Windows                                                                                                  |
| Operating / Storage Temp.          | -10 °C to +60 °C / -20 °C to +70 °C                                                                               |
| Interface                          | USB (C-TYPE) –Printing & Charging<br>USB (B-TYPE) – Biometric Scan Data<br>Bluetooth – Printing & Finger Scanning |
| Printing Method / Width            | Thermal Line Printing / 58mm                                                                                      |
| Print Fonts                        | Normal, Tahoma, Multilingual Text                                                                                 |
| Character Size & Characters / Line | Tahoma: 2X2.5mm, ANK: 12*26, Double Width, Double Height / 32 and 48 CPL                                          |
| Printing Speed, Resolution         | 80 mm/s, 8 Dots/mm, 384 Dots/line, 203 DPI                                                                        |
| Programming Data & Buffer          | Over- the – Air Programmable via Bluetooth, 4KB Data Buffer, 16MB Flash                                           |
| Power                              | 7.4 V DC, >1100mAH, Li-ion Rechargeable                                                                           |
| Charging                           | AC-DC 5V Adapter (3hrs to full charge)                                                                            |
| Printer Mechanism Life             | 10 million lines                                                                                                  |
| Prints                             | Standard ESC/POS Commands, Multilingual, Text, Barcode, QR Code, Raster/Graphic Image                             |
| Battery                            | 1100 / 1500 mAH, 7.4V with Protection Circuit                                                                     |
| Net Weight / Dimensions            | 235g / 118 x 80 x 48 mm                                                                                           |
| Paper                              | 50-70 GSM, 15m Length, 35m Roll Diameter                                                                          |
| Certifications                     | BIS, CE, IP-54, UIDAI, STQC                                                                                       |