



AST300 Fingerprint Reader



- UIDAI Approved L1 authentication Device for Aadhaar
- STQC Certified Single Finger Scanner
- BIS Registration No. : R-72003948 Confirming to IS 13252(PART I):2010 + A1:2013 A2:2015/IEC 60950-1:2005 + A1:2009 + A2:2013,
- Device as per UIDAI L1 specs, having Pre certified Renesas Controller.
- Every device having a unique identifier allowing traceability, analytics, and fraud management.
- Biometric data is signed within the device using the device key to insure it is indeed captured live. Registered Device (RD) form the encrypted PID block before returning to the host application.
- This RD Service (exposed via Service interface defined in this spec) encapsulates the biometric capture, any user experience while capture (such as preview) and signing and encryption of biometrics all within it.

• Security

Parameters

Crypto operation
Secure Memory
Secure Boot

Specification

: Hardware base RSA2048 Key Generation, AES GCM-256, SHA-256, TRNG support
: TEE support by the device. Secure memory support key wrapping feature
: Secure boot support by the device

- Having Secure boot, Encryption in trust zone, FTM Supported Security
- Suitably protected against dust and water ingress, IP54



AST300 Fingerprint Reader

with Live Scan



BIS Approved
Certification



**Most Trusted Brand For All UIDAI
Finger Authentication Use.**

SPECIFICATIONS

Sensors	Thermal Sensor, Model NB-65210-S
Image Resolution Image	500 dpi
Capture Area	FAP 20 (15.25mm X 20.34mm)
Scanner Output Image Size	300 x 400 Pixel
Gray Level	8 bit/pixel, max 256 gray scales
Image Ratio of Length to Width	1:1
Scanner Interface Cable Power	USB TYPE-A, Micro USB & Type-C
Live Scan	Yes, Ensures protection against Spoofing.
Extractor and Captured Image	ISO19794-2/ISO19794-4 and FIPS 201* Compliant, Minex III Certified
Image	Supporting JPEG 2000 lossless, ISO, PIV WSQ (Compression 10:1)
Supply	1 Watt. Approx. (From USB port) (100 mA. Approx, Standby: 25 mA)
Dimension	80mm(L) x 57mm(M)x23mm(H)
Weight	60g (approx)
Temperature,	0 to 50 Degree,
ESD	8KV
Supported Operating Systems	Windows, Android and Linux Supported



ISO 9001:2015
ISO 14001:2015
ISO 27001:2018

Manufactured by :

Access Computech Pvt Ltd.,

504/6, GIDC Industrial Estate, Makarpura, Vadodara. PIN: 390 010.

Phone : +91-265-6110 900/ 901, 2633 307 **Fax:** +91-265-6110 968