



APos A20 FP



Android 14
(Android 12 Optional)



STQC, UIDAI Certified
Fingerprint Sensor



5.5" HD LCM,
8M + 2M Cameras



MSR + IC + NFC + QR



4G + 3G + 2G,
WiFi 5G/2.4G, BT 5



AEPS, Aadhar Pay, eKyc etc.



Retail



Fresh market



Restaurant



Coffee shop



Franchise store



Convenience store

APos A20 FP

SPECIFICATIONS

Operating System	Android 14 (Android 12 Option also available)
Processor	Qualcomm 2150 Quad-Core 4x2 GHz
Memory	2GB LPDDR + 16GB eMMC (1GB LPDDR + 8GB eMMC option also available)
Communications	4G (TD-LTE / FDD-LTE) + 3G (WCDMA / TD-SCDMA) + 2G (GSM / GPRS), WiFi 2.4GHz / 5GHz (802.11 a/b/g/n), Bluetooth 5 BLE
Location	GPS, GLONASS, Beidou, A-GPS
Display	5.5" (1440 X 720) LCD, capacitive multi-touch screen
Cameras	Front : 2M, FF Rear : 8M AF (5MP option also available) with Flash Support Scanner 1D&2D code / QR
Printer	Print speed: 60 mm/s, Paper roll: 58 mm width, diameter 40 mm
Battery	Li-ion battery, 3.8v,5000mAh(7.6V/2500mAh)
MSR	ISO/IEC 7811, ISO/IEC 7813, Track 1/2/3, Bi-directional swiping
IC	ISO/IEC 7816, Conform to EMV L1/L2
PSAM	ISO/IEC 7816 standard
NFC	13.56MHz, ISO/IEC 14443, ISO18092, Type A&B, Felica, Mifare card
Fingerprint	Optical Scanner; L1 STQC and UIDAI certified
Card Slot	TF-Card Max support 64GB TF-card; 2 x SIM +1 x SAM or 1 x SIM +2 x SAM
Peripheral Ports	USB2.0 OTG, Type-C x 1
Power	Input: 100-240V, 50/60Hz 0.35A Output: 5V/2000mA
Physical	212.6mm (L) × 79.1mm (W) × 51.9mm (H)
Certifications	PCI 5.1, EMV L1&L2, EMV Contactless L1, Paypass, payWave, AMEX ExpressPay, Discover, JCB, Pure, qUICS, Rupay, NSICC, TQM, CE, RoHS, BIS, WEEE, CB, WPC, BISDGM, UN38.3, MSDS, PVOC GSMA,Telec&JATEANRT, CMC, STQC, UIDAI.



PURE Payments



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UIDAI Approved authentication Device for Aadhaar, L1

STQC Approved 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 MOSIP L1 and UIDAI L1 spe cs, having Pre certified Renesas Controller.

USB 2.0 Interface (High Speed), Micro USB , Type-C

Fast scanning speed

Non-distorted image quality

Small template size, ISO & PIV , BIS appro ved.

Outstanding placement to image identification performance

Ergonomic design to guide finger position for effective scanning

The reader is totally shock proof, for accidental falls from table.

Suitably protected against dust and water ingress, IP 54

Having Secure boot, Encryption in trust zone, FTM Supported Security

Sensors	Optical
Image Resolution	500 dpi (H), 500 dpi (V)
Image Capture Area	13.41 x 16.45(mm); 15.44x17.475(mm) Optional
Platen Area	16.5x19 (in mm) (HxV)
Scanner Output Image Size/Native	264x324 pixel (HxV) 304 x 344 pixel (HxV) , Optional
Gray Level	8 bit/pixel, max 256 gray scales
Image Ratio of Length to Width	1:1
Distortion	<1% Meeting specifications
Scanning Light source	Ultra Red(940nm) capable of support more
API	Image Capture, Enrollment / Template Extraction



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