

# ATX-800 V9



RFID  
UHF



8000 mAh battery



ATA Spec 2000 Chapter 9.5 compliant



RAM: 3GB + ROM: 32GB



Keyboard emulation for UHF & 2D (HID)



IP65  
40°C ~+70°C  
5% RH ~95%RH non condensing  
Multiple 0.5m

RFID  
UHF



HF/NFC  
UHF

Item name	Base	NFC	UHF long range	UHF short range	1D/2D
ATX-800 V9 T1	X	X			
ATX-800 V9 T2	X	X			X
ATX-800 V9 T3	X	X	X		
ATX-800 V9 T4	X	X	X		X
ATX-800 V9 T5	X	X		X	
ATX-800 V9 T6	X	X		X	X

V4.0  
Non-contractual datasheet

# ATX-800 V9

## General specifications

Operating System	Android 9.0; GMS, Android Enterprise, Zero-Touch, FOTA, Soti MobiControl, SafeUEM supported
CPU	Qualcomm 1.8 GHz Octa-core
Memory	RAM: 3 GB + ROM 32 GB / Option: 4 GB + 64 GB
Extended storage	Supports up to 128 GB Micro SD card
Dimensions	250.8 x 152.0 x 15.0 mm
Weight	700g / 24.7oz (standard version)
Display	8" IPS LTPS 1920 x 1200 / IPS LTPS 1280 x 800
Touch panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Battery	Main battery: Li-ion, rechargeable, 8000 mAh Standby: over 500 hours Continuous use: over 10 hours (depending on user environment) Charging time: 5-7 hours (with standard AC adaptor and USB cable)
I/O Ports	USB 3.0 Type-C, OTG
Keys	1 front key, 1 volume key, 1 power key, direction key (Optional)
Expansion slot	1 slot for SIM card, 1 slot for SIM / TF card, Optional dual PSAM card slots
Camera	Rear camera: 13 MP Autofocus with flash; front camera: 8 MP
Other - general	Sensors: gravity sensor, Gyroscope, Accelerometer sensor Audio: Speaker, microphone

## Wireless communication

Wifi	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6 Fast roaming: PMKID caching, 802.11r, OKC; Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124, 128,132,136,140,144,49,153,157,161,165), Depends on local regulations Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI-PSK—EAP- TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC, etc.
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
3G / 4G	Europe: 3G: CDMA EVDO: BC0; 4G: TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20, TD-SCDMA: B34/B39, WCDMA: B1/B5/B8; America: 3G: B2/B4/B5, 4G: B2/B4/B5/B7/B12/B13/B17/B28b
GPS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna
Vo-LTE	Support Vo-LTE HD video voice call

## User Environnement

Operating temperature	-20°C to 50°C / 4°F to 122°F
Storage temperature	-40°C to 70°C / 40°F to 158°F
Humidity	5% RH - 95% RH non condensing
Protection grade	IP65
Drop Specification	Multiple 1.5 m / 4.9 ft drops to concrete across the operating temperature range
Tumble Specification	500 x 0.5 m / 1.64 ft falls at room temperature
ESD	±15 KV air discharge, ±8 KV conductive discharge
Standard	Compliance with ATA Spec 2000 Chapter 9.5

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## Data collection

### RFID UHF (ATX-800 V9 T3, T4, T5, T6)

Engine	Based on Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization 3 dBi
Power	1 W (30 dBm, +5 dBm to +30 dBm adjustable), 2 W Optional (33 dBm, for Latin America, etc.)
R/W range	> 25 m (indoors); > 15 m (open outdoors)
Reading rate	900 tags/sec

### HF/NFC (ATX-800 V9 T1, T2, T3, T4, T5, T6)

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

### Barcode 1D/2D (ATX-800 V9 T4, T6)

1D/2D Barcode Scanner	SE4710
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.

### Fingerprint (option 1)

Sensor	TCS1/TCS2 Capacitive
Sensing Area (mm)	12.8 × 18.0; 10.4 x 14.4
Resolution (dpi)	508 dpi, 8-bit greylevel
Certifications	FIPS 201, STQC
Format Extraction	ISO 19794, WSQ, ANSI 378, JPEG2000
Fake Finger Detection	Support by SDK
Security	AES, DES key encryption of the host communication channel

### Fingerprint (option 2)

Sensor	Optical Morpho CBM-E3
Sensing Area (mm)	14 x 22
Resolution (dpi)	500 dpi, 256 greylevel
Certifications	FIPS PIV IQS / ISO 19794-4, MINEX & FIPS 201 complaint, STQC
Format Extraction	ISO 19794-2/4, WSQ, ANSI 378, etc.
Fake Finger Detection	Latex, GeLatin, Plasticine, Kapton, Transparent Film, Silicone, Rubber, Play-doh, Graphite Or Paper
Security	FIPS 140-2 level 2, multiple security methods available, including image and templates encryption, template signature, secure tunneling, etc.

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## PSAM (Option)

Card slot	2 PSAM card slots
Protocol	ISO7816

## Accessories



USB Cable (included)



Hand strap (included)



Protection case for ATX-800 V9 T1/T2/T5/T6 (option)



Charging cradle (option)