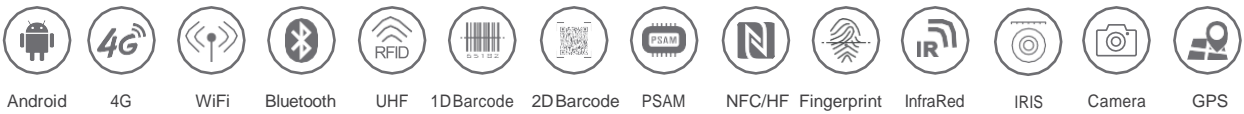




MTA-3180-CF

Industrial Tablet with FBI Fingerprint Sensor



Android 4G WiFi Bluetooth UHF 1D Barcode 2D Barcode PSAM NFC/HF Fingerprint InfraRed IRIS Camera GPS

MTA-3180-CF is an Android 7.1 rugged tablet with abundant functions. With its powerful Qualcomm CPU, 8 inch high-definition screen, 8000 mAh battery and comprehensive data capture options like UHF RFID, barcode scanning, HF RFID/NFC, Iris and fingerprint recognition, etc., you can find this easy-to-deploy device a valuable helper to increase productivity in retail, logistics, warehousing, identity verification, meter reading, etc.



Specification

Physical Characteristics

Dimensions	250.8mm x 152mm x 15mm/ 9.87 x 5.98 x 0.59in
Weight	700g/24.7oz
Display	8" IPS LTPS 1920x1200
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 8000mAh
Expansion Slot	1 slot for SIM card, 1 slot for TF card, 2 optional slots for PSAM cards (ISO7816 T=0, T=1 protocol)
Interfaces	USB 3.0 Type-C, OTG
Audio	Speaker, microphone
Keypad	1 front key, 1 volume key, 1 power key
Sensors	Gravity sensor

Performance

CPU	1.8GHz SDM450/MSM8953/MSM8953PRO
RAM+ROM	2GB+16GB
Expansion	Supports up to 32GB Micro SD card

User Environment

Operating System	Android 7.1
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.2m/3.9ft drops to concrete across the operating temperature range
Tumble Specification	500 x 0.5m/1.64ft falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±8KV air discharge, ±4KV conductive discharge

Communication

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN(Europe)	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40
WWAN(America)	2G: 850/900/1800/1900MHz 3G: 850/900/1700/1900MHz 4G: B2, B4, B5, B26, B41
WWAN (China)	2G: 900/1800MHz 3G: 900/1900/2000/2100MHz 4G: TDD-LTE: B38, B39, B40, B41 FDD-LTE: B1, B3, B8
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

Data Collection

Camera

Rear Camera	13MP Autofocus with flash
Front Camera (optional)	8MP

Barcode Scanning (Optional)

Scan Engine	Zebra SE4710 (standard), Zebra SE3850 (optional)
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.

RFID (Optional)

UHF

Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	circular polarization (4dBi)
Power	1W (30dBm, +5dBm to +30dBm adjustable)
R/W range	> 10m (open outdoors); > 20m (indoors)
Reading rate	> 200 tags/s

* Ranges and rates depend on tags and environment

HF/ NFC

Frequency	13.56MHz
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*HF RFID is alternative to NFC.

Fingerprint

Sensor	Capacitive
Sensing Area (mm)	12.8x18; 10.4x14.4
Resolution (dpi)	508 dpi, 8-bit gray level
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

Ordering Information

MTA-3180-CF	8" Industrial Android Tablet with FBI Fingerprint Sensor
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