MioWORK™

A500s Series Handheld Device

Versatile, Rugged Computing for Enterprise and Healthcare

Mio™

MioWORK™ A500s Series

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Specifications	A500s (WIFI)	A505s (WIFI + BCR)	A545s (LTE + BCR)
Display	5" (720 x 1280) HD wide view angle IPS panel 450 nits		
Touch	Optical bonding, anti-glare coating, glove support, water-proof and capacitive multi-touch		
Platform	Qualcomm® octa-core 2.0GHz		
OS	Android™ 10.0 (GMS)		
Memory/Storage	3GB RAM / 32GB ROM		
Expansion	MicroSD up to 128GB		
Wireless Interface	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/w (2.4GHz & 5GHz)		
	-		4G LTE & VoLTE
	-		GPS, AGPS, GLONASS
	Bluetooth® 4.2 + BLE		
NFC	RFID: ISO14443 and ISO15693; NFC: MiFare, Felica, Calypso and HF RFID tag; Sensor area on front side top of device		
BCR	-	Honeywell N3601 (1D + 2D, LED)	Honeywell N6603 ER (1D + 2D, Laser)
Camera	-	Rear: 8M AF w/ Flash LED	
Battery	4,100 mAh, battery life 10 hours + hot swappable		
Sensors	Accelerometer (G sensor), Gyro, Ambient light sensor, Vibration motor		Accelerometer (G sensor), Gyro, Ambient light sensor, Proximity sensor, eCompass, Vibration motor
Physical Interface	MicroSD slot		
	3.5mm Jack: Supports headphone + mic / Supports dongle payment module		
	Pogo pin connector (9 pin), support charging and data transmission)		
	Built-in mic x2, supports noise cancellation		
	Built-in speaker x1		
	-		Receiver for voice call
	-		Nano SIM slot x1, eSIM*
Environment	Antimicrobial		
	IP67 and 1.2m drop resistant following MIL-STD-810G (up to 1.8m with protective caps)		
	-20° to +50°C (-4° to +122°F) operating temperature		
	-30° to +70°C (-22° to +158°F) storage temperature		
	Humidity: 0 to 95%, Non-condense		
Certification	CE / CB / FCC / EAC / BQB / ROHS / WEEE		
Warranty	12 months (extended warranty available)		
Dimension	161 x 80 x 17.5mm (6.34 x 3.15 x 0.69")		
Weight	270g (9.5oz)		

* Factory option (MOQ applies)

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Current A500 Series vs New A500s Series

	Current A500 Series	New A500s Series
OS	Android™ 6.0 (Non-GMS)	Android™ 10.0 (GMS)
Display	5" 720x1280, optical bonding	5" 720x1280, optical bonding & anti-glare coating
Processor	Qualcomm® Quad core, 1.3GHz Cortex A7; 28nm; 32-bit	Qualcomm® Octa core, 2.0GHz Cortex A53; 14nm; 64-bit
RAM/ROM	2GB / 16GB (MicroSD up to 128GB)	3GB / 32GB (MicroSD up to 128GB)
WWAN	LTE Cat 1 with 2G fallback*	LTE Cat 6 with 2G/3G fallback* (supports eSIM**)
WLAN	IEEE 802.11 a/b/g/n, 2.4 & 5GHz	IEEE 802.11 a/b/g/n/ac, 2.4 & 5GHz
Bluetooth®	Bluetooth® 4.1 BLE	Bluetooth® 4.2 BLE
I/O	Pogo pin for cradle connectivity (Power + Data), Supports OTG	Pogo pin for cradle connectivity (Power + Data), Supports OTG
Sensors	Accelerometer, ambient light, proximity, vibration motor	Accelerometer, eCompass, Gyro, ambient light, proximity, vibration motor
Camera	Rear: 8 megapixels, auto focus with Flash Front: 2 megapixels, fixed focus	Rear: 8 megapixels, auto focus with LED Flash
BCR	Zebra SE4750 SR / MR	Honeywell N3601 / N6603 ER

* Region dependent   ** Factory option (MOQ applies)

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Key Features & Advantages

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Built With Punishing Environments in Mind

Yet lightweight, convenient & attractive

- IP67 water- & dust-resistant

- 1.2m up to 1.8m* drop-resistant following MIL-STD-810G

- Extended temperatures (-20° to + 50°C)

- **Antimicrobial housing for frontline medical workers and for use in hospitality**

- 270g, lightweight

"Ergonomic design for handling with ease"

* Requires Protective Cap accessory
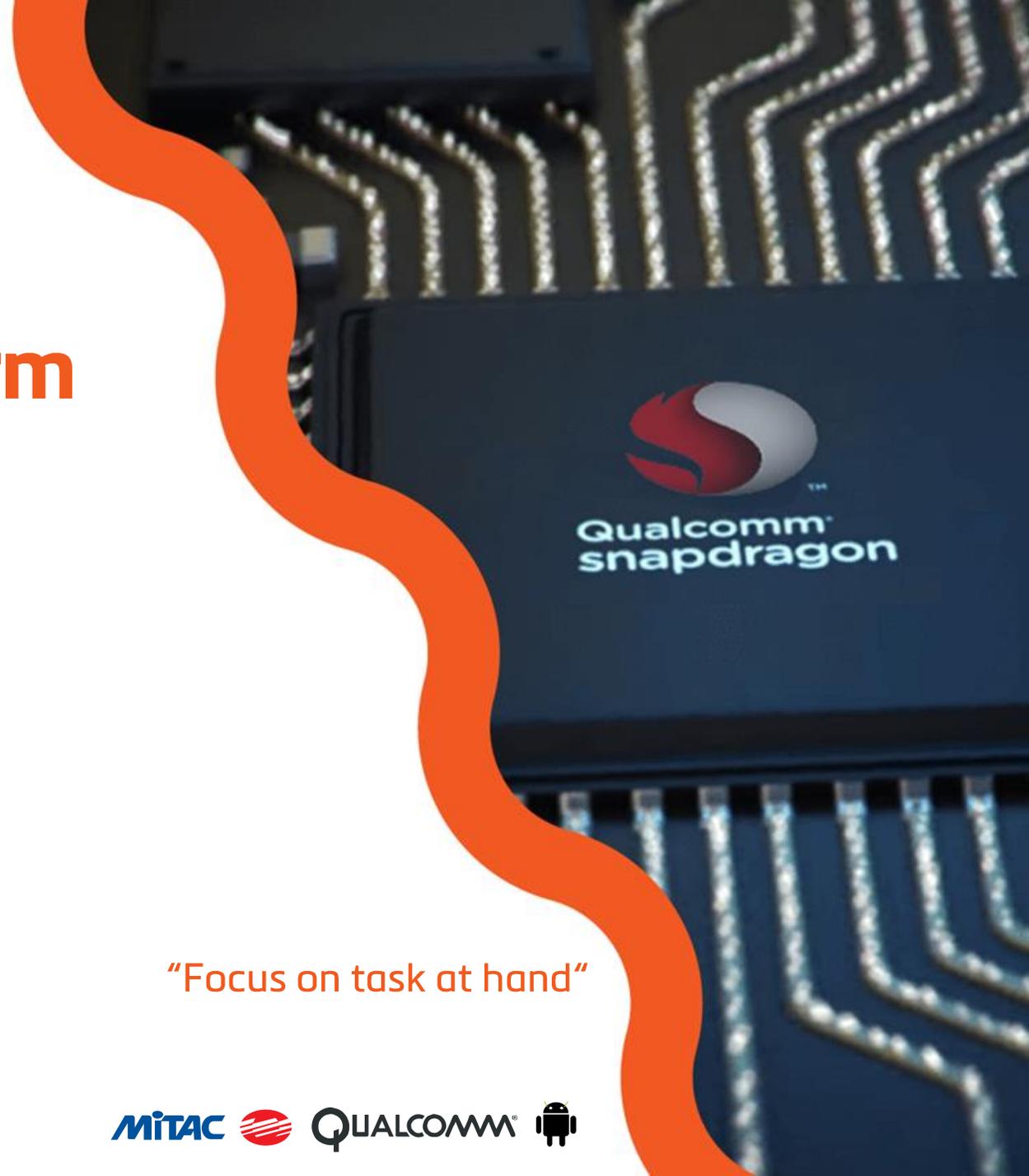
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MioWORK™

High Performance Platform

For uninterrupted performance

- 2.0GHz octa-core Qualcomm® Snapdragon™ CPU

  3 x faster CPU speed compared with previous generation

- 3GB LPDDR3 RAM & 32GB internal storage

- Stable & reliable

- Energy efficient architecture (10+ hrs autonomous)

- CPU life cycle supported up to 2025

"Focus on task at hand"

MioWORK™

Your Data, Always Protected

Google Mobile Services (GMS) Certified

- Android™ 10.0 (Q)
- Google Play connected & protected
- Works with existing, market-leading MDM solutions
- NFC for two-factor authentication

Google Play Protect

"Deploy and monitor with in-house MiTAC MDM (MiDM) solution"

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MioWORK™

Fast & Accurate Data Capture

Truly best-in-class 1D/2D barcode scanner

- **A505s:** Honeywell **N3601** module (LED)

  A545s: Honeywell **N6603 ER** module (Laser)

- Scans worn, creased or partially damaged barcodes with ease

- Full symbology support (including color barcodes)

- Support advanced functionalities such as OCR for driving licences, etc.*

- NFC and HF RFID for effortless asset tracking

- Rear (8 megapixels) camera with flash LED

"Lightning fast stock-taking"

* Optional

MioWORK™

Around-the-clock Productivity

User-replaceable hot-swap battery

- 4,100mAh main battery with 10+ hours operation time
- User-exchangeable from rear of the device
- 58mAh back-up battery for hot-swap feature
- Eliminate downtime

"Infinite operating time over and over"

MioWORK™

4G LTE & Voice Connected

Always connected

- **4G LTE Cat.6** (300Mb DL, 50Mb UL)*

  EMEA
  LTE FDD Band 1/2/3/4/5/7/8/20/28; WCDMA Band 1/2/4/5/8; GSM 850/900/1800/1900MHz
  North America
  LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71; WCDMA Band 2/4/5

- Supports eSIM**

- Dual-band WLAN IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/w (2.4GHz & 5GHz)

  Supports Enhanced Open, WEP, WPA/WPA2-Personal, WPA3-Personal, WPA/WPA2/WPA3-Enterprise, WPA3-Enterprise 192-bit security standard, WIFI Direct®

- Bluetooth® 4.2 BLE for efficient peripheral connectivity

  * Available only on A545s   ** Factory option (MOQ applies)

"Perfectly suited for M2M IoT applications"

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MioWORK™

Brilliant Display for Any Environment

Operate with the touch of a glove

- Dragontrail™ Glass, extremely tough & scratch-resistant

- 5-inch 720x1280 IPS, 5-point multi-touch

- 450 nits high-brightness with optical bonding & **anti-glare coating** for sunlight readability

- Ambient light sensor automatically adjusts brightness to environment

- Supports soft-nib stylus

"Wet & glove touch enabled"

Charging Cradles

Charge simultaneously – no cable mess

- Combine up to **eight single-unit cradles** or;
- four single-unit cradles + one 4-slot battery charger or;
- two 4-slot battery chargers
- Charge simultaneously using 19V/120W adapter*

* Available separately

"Simplified practical design with growth & flexibility in mind"

Pistol Grip

Unified & easy-to-attach design

- Trigger barcode reader
- Unique 'enter-key' feature (programmable)
- **Compatible with charging cradle & protective caps**
- Easy access to hot-swap battery
- Loop for lanyard (included)

"True one-handed barcode scanning"

MioWORK™

Protective Caps

Enhanced ruggedness

- Increases drop-resistance from 1.2m to 1.8m
- **Compatible with single-unit charging cradle**
- Anti-microbial to meet hygiene standards in Healthcare and Food industries

COMPATIBLE WITH SINGLE-UNIT CRADLE

Removable cradle-insert accommodates for protective caps

"Enhance drop-resistance from 1.2m to 1.8m"

MioWORK™

Battery & Snap-on charger

10 hours + operating time

- 1.3m Pogo-pin cable for added durability vs. USB-type connector
- Optional 4,100mAh spare battery for hot-swap feature

"Snap-on cable design for secure fit"

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MioWORK™

Hand Strap

Comfortable & secure use

- Elasticated flexible material
- Adjustable design
- Allows for removal of rear cover for hot-swap function
- **Compatible with charging cradle & protective caps**

"Work comfortably for extended periods of time"

Why Use A500s Series in Your User Application?

MioWORK™

Healthcare & Pharmacy Management

Antimicrobial housing for medical workers

- Barcode scanning for patient ID

- NFC HF RFID for effective data capture

- Verified MDM solutions – improved security & accountability

- IP67 water-proof housing against liquid spillage

- 1.2m up to 1.8m** drop resistant

* Optional   ** With Protective Cap accessory

"Ideal form-factor for e-obs and pharmacy management"

MioWORK™

Retail & Hospitality

Improved control and efficiency

- Built to survive numerous drops & spills (IP67 & up to 1.8m drop-resistant following MIL-STD-810G)

- Ambient light sensor to automatically adjusts screen brightness

- NFC HF RFID capability

- High-capacity battery + hot-swap function for full day shifts

- Professional range of accessories

"BCR Pistol Grip for swift & comfortable stocktaking"

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MioWORK™

Delivery & Logistics

Real-time delivery tracking

- Highly accurate GPS receiver (GPS + GLONASS)*

- 4G LTE & Voice connected*

- Honeywell N3601 (A505s) / N6603 (A545s) barcode scanner

- Soft-nib stylus support for signature capture

- Hand Strap for easy handling of device

- Protective Caps for enhanced 1.8m drop resistance to concrete

    * Available only on A545s

"Even scans damaged or creased barcodes for maximum efficiency"

MioWORK™

Warehousing

Optional 1D/2D Laser BCR for smooth operation

- Built-in Honeywell N3601 / N6603 BCR module

- Pistol Grip with unique 'Enter Key' for true one-handed scanning

- Protective Caps for enhanced 1.8m drop resistance to concrete

- Dual-band WLAN IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/w (2.4GHz & 5GHz)

- Bluetooth® 4.2 BLE to connect to peripherals

"Scanning performance beyond reach"

* Available only on A545s

MioWORK™

Field & Utility Services

Stay connected with field workers

- 4G LTE, Voice and GPS connected*

- 8M camera + NFC HF RFID for **efficient data capture**

- 450 nits touch panel with optical bonding and glove touch & rain support

- Built to last - IP67 & up to 1.8m drop-resistance

- Long lasting battery with hot-swap feature

"Real-time reporting and job dispatch"

* Available only on A545s

MiDM™

- Configure the devices and deploy application/image updates, all remotely

- Provide real-time troubleshooting with true instant remote control access to deployed terminals

Comprehensive and cost-effective MDM suite enables business to securely manage all complex mobile deployments in multiple user groups over-the-air from a single management console regardless of geographical location.

MiDM Console

OTA
Images
APPs
Data
Config.

Locations
Logs
Remote
Control

Update Apps or Image via 4G LTE / WIFI
Anytime & Anywhere

What **MiDM** Offers Customers

Easy to operate & cost-effective

Manage

- Manage device groups
- Configure device settings & features
- Manage & deploy Apps, Files, Firmware
- Define deployment schedules

Secure

- Restrict user access
- Restrict application use
- Remote data wipe, factory reset
- Remote password management
- Remote device encryption

Track

- Real-time location tracking
- Historical location data
- Assign device ownership
- Play sound to locate misplaced devices

Monitor

- Customisable management dashboards
- Real-time device indicators
- Real-time connectivity information
- Device 'last seen' information

Support

- Real-time remote control and file access
- Reduce costs & time on support calls
- Send messages to users
- Support remote intents & logcat

Essential Features

Apps & OS Management

Apps & OS management including app listing with black/white list, remote installation/uninstallation, push/pull files and system image control

Ensured Productivity

Configuration management of MiDM optimizes the functionality and security of a mobile communications network whilst minimizing costs, downtime and business risk
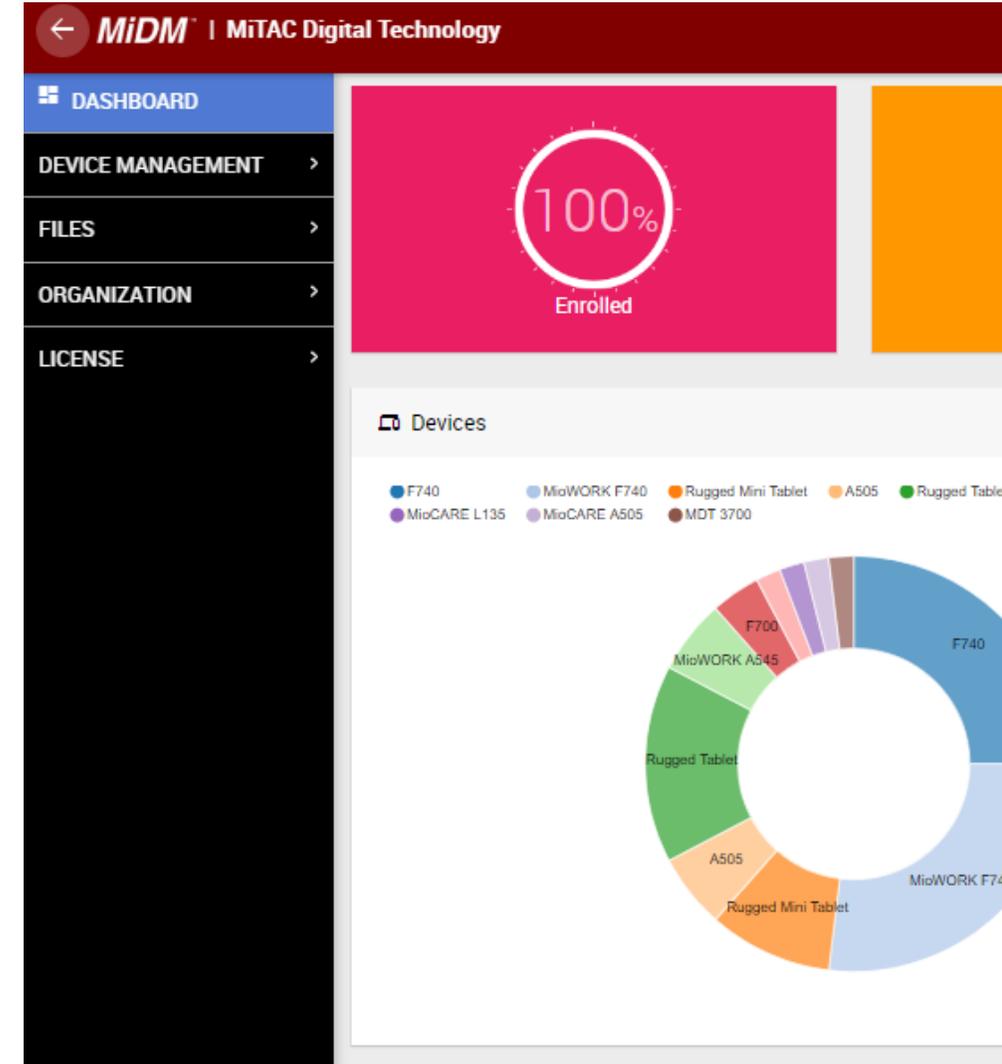
Complete Tracking

MiDM is capable of tracking each device location in real time and give users instant visibility

Real-time Trouble Shooting

MiDM offers real-time monitoring & remote support to let administrator remotely view the device screen in real-time, capture information about device/application problems and then adjust/repair configurations

	Option 1	Option 2
Server	MiTAC Server (AWS cloud)	On-site Customer Server
Type	SaaS, Cloud-based	Private Cloud, On-premises
Deployment (MOQ: 50pcs)	One-time fee	One-time fee
Licensing (per device)	1 year or 3 years	1 year or 3 years
Features	• Quicker to set up • Easily scalable • Offer easier updates with lower capital costs	• Requires hardware or virtual machine • Needs regular software maintenance • Might incur higher capital costs

MiTAC Kiosk Mode App (MiLock)

MiLock

Turn your device into Single App Kiosk mode

MiLock is a proprietary kiosk mode app developed by MiTAC.

It replaces the default Android™ Launcher App, and provides businesses with a tool to enhance employee productivity and device usability.

With MiLock, user access can be restricted to a single application in 'kiosk-mode', or to a group of approved applications that will replace the traditional homescreen. MiLock is ideal for scenario's where devices are utilised for specific use cases, such as Fleet Management, Table ordering, Warehousing, Logistics, etc.

What Benefits **MiLock** Offers

Increase Workforce Productivity

- Keep worker focusing on company-approved applications

Reduce Maintenance and Support Costs

- No developer expertise is required & easy deployment via MDM solution

Protect Sensitive Data and Applications

- Passwords prevent unauthorized tampering or unintentional misuse

Supported Devices

Display	Model Name	Platform
5"	A500s Series	Android 10.0
7"	F740s	Android 9.0
10.1"	L1000 Series	Android 9.0

MiLock Key Features

An easy-to-use administrator tool allows you to enhance business operation

Single App Mode

- Turn the device into a single-purpose terminal and user has no way to exit it

Multi App Mode

- User mode in which the user has access to all the applications allowed by the admin

Advanced Function Lockdown

- Disable status bar, quick settings, and navigation bar

Restricted Settings Access

- User may be granted access to a specific list of settings, such as Bluetooth, WLAN

Home Screen Customization

- Brand the device with corporate wallpaper and use custom app names

Wireless Configuration Deployment

- Through WIFI broadcast or WIFI Direct: Use one device to deploy to many efficiently

MioWORK Roadmap, Schedule & Availability

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MioWORK™

	~2019	2020	2021	
	2H		**1H**	**2H**
Large 10.1"	L135	L1000 Series	L1000 Series	
Medium 7"	F700 Series	F700 Series · F740s		
Handheld 5"-6"	A500 Series	A500 Series	A500s Series	
SW	Mobile Device Management (MiDM)			
	Kiosk Mode (MiLock)			

GMS Certification (Play Store) Android™ 10.0 (Q) Android™ 9.0 (Pie) Android™ 6.0 (Marshmallow)

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Model	L1000 Series	F740s	A500s Series
Display	10.1" (1280x800)	7" (1024x600)	5" (720x1280)
WWAN	4G LTE* & WIFI	4G LTE & WIFI	4G LTE* & WIFI
OS	Android™ 9.0 (GMS)	Android™ 9.0 (GMS)	Android™ 10.0 (GMS)
CPU	Qualcomm®, Octa Core	Qualcomm®, Octa Core	Qualcomm®, Octa Core
Memory	2G RAM & 16/32G internal storage	2G RAM & 32G internal storage	3G RAM & 32G internal storage
GPS	Yes*	Yes	Yes*
NFC / Bluetooth®	Yes / BT 4.2	Yes / BT 4.2	Yes / BT 4.2
Built-in BCR	Optional*	-	Optional*
Camera	8 MP Front & Rear	8 MP Rear (Front Optional)	8 MP Rear*
IP Rating	IP67	IP54	IP67
Battery	5,500mAh, hot-swappable (8 hrs+)	4,000mAh (10 hrs+)	4,100mAh, hot-swappable (10 hrs+)

*Depends on sku

Thank You