

MioWORK™

# A500 Series Handheld Device

Versatile, Rugged Computing for Enterprise and Healthcare



# Product Introduction



# MioWORK™ A500 series



**MioWORK™**

# 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
- Extreme temperatures (-20°C to + 60°C)
- **Antimicrobial**
- 265 gram (compared to iPad mini at 308 ~ 312g)

\* Requires Protective Cap accessory

“Ergonomic design for handling with ease”





## High Performance Platform

For uninterrupted performance

- 1.3GHz quad-core Qualcomm® Snapdragon™ CPU
- 2GB LPDDR3 RAM
- Stable & reliable
- Energy efficient architecture (10+ hrs autonomous)

“Focus on task at hand”

## Your Data, Always Protected

Modified Android™ platform for added security

- Android™ 6.0
- Works with existing, market-leading MDM solutions
- NFC for two-factor authentication
- Compatible with existing Android applications (APK's)

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

# Key Features & Advantages



## Fast & Accurate Data Capture

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

- Zebra **SE4750SR** module including PRZM intelligent imaging platform
- Optical character recognition (OCR) **up to 110cm scanning-range (Mil Code 39)**
- Scans worn, creased or partially damaged barcodes with ease
  
- NFC and HF RFID for effortless asset tracking
- Front (2M) and rear (8M) camera with Flash

“Lightning fast stock-taking”





## Extended Data Capture

Factory option for mid-range Laser BCR for up to 6m

- Zebra **SE4750MR\*** module including PRZM intelligent imaging platform
- 437cm decode range based on 100 mil Code 30
- Ideal in industrial multi-tier warehousing applications



“Scanning performance  
beyond reach”

\* Available on A506/546 SKU only. Subject to MOQ.



## Around-the-clock Productivity

### User-replaceable hot-swap battery

- 10+ hours operation time
- 4050mAh main & 58mAh back-up battery
- User exchangeable from rear of the device
- Eliminate downtime

“Extend operating time  
over and over”



## 4G LTE & Voice Connected

All the desired data, only a 'tap' away

- U-blox LTE CAT 1 module\*
- LTE bands 3,7 & 20; GSM 900/1800
- Cellular voice-call (VoLTE) enabled\*
  
- WiFi 802.11a/b/g/n (2.4/5GHz)
- Bluetooth® 4.1 BLE to connect to peripherals

\* Available only on A545 / A546

"Perfectly suited for  
M2M IoT applications"



## Superior Positioning

### Dual-satellite system

- High-sensitivity receiver
- GPS (+AGPS) + GLONASS + Beidou
  
- CEP50: 1.50m
- Hot start: <3s
- Cold start: <37s

\* Available only on A545 / A546

“Professional-grade  
positioning”



**MioWORK™**

# Brilliant Display for Any Environment

Operate with the touch of a glove

- Dragontrail™ Glass, extremely tough & scratch-resistant
- 5-inch 1280\*720 IPS, 5-point multi-touch
- 450 nits high-brightness with optical bonding for sunlight readability
- Ambient light sensor automatically adjusts brightness to environment
- Supports soft-nib stylus

“Rain & glove  
Compatible”



# Unified Professional Accessory Eco-system



## 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”



## 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”

## Battery & Snap-on charger

### Optional EN-60601 charging adapter

- 1.3m Pogo-pin cable for added durability vs. USB-type connector
- Optional 4050mAh spare battery for hot-swap feature



“Snap-on cable design  
for secure fit”

## 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 A500 Series in Your User Application?





## Healthcare & Pharmacy Management

### Antimicrobial. EN-60601 power supply

- 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 EN-60601 medically certified power supply available

\* With Protective Cap accessory



“Ideal form-factor for e-obs and pharmacy management”

## 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”



## Delivery & Logistics

### Real-time delivery tracking

- Highly accurate GPS receiver (GPS+GLONASS+Beidou)\*
- 4G LTE & Voice connected\*
- Zebra SE4750SR BCR
- 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 A545 / A546

“Even scans damaged or creased barcodes for maximum efficiency”





## Warehousing

Optional 1D/2D Laser BCR with up to 6m extended range

- Zebra SE4750MR with PRZM intelligent imaging platform
- Pistol Grip with unique 'Enter Key' for true one-handed scanning
- Protective Caps for enhanced 1.8m drop resistance to concrete
  
- WiFi 802.11a/b/g/n (2.4/5GHz)
- Bluetooth® 4.1 BLE to connect to peripherals

\* Available only on A545 / A546

"Scanning performance  
beyond reach"





## 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

\* Available only on A545 / A546

“Real-time reporting  
and job dispatch”



# Specifications



# MioWORK™

Specifications	A500 WIFI	A505 WIFI	A506 WIFI	A545 LTE	A546 LTE
Display	5" (1280 x 720) HD wide view angle IPS panel 450 nits				
Touch	Optical bonding, glove support, water-proof and capacitive multi-touch				
Platform	Qualcomm® quad-core 1.3GHz				
OS	Android™ 6.0				
Memory/Storage	1GB RAM / 8GB ROM   2GB RAM / 16GB ROM				
Expansion	MicroSD up to 128GB				
Wireless Interface	WIFI 802.11 a/b/g/n (2.4/5GHz)				
	N/A			4G LTE & VoLTE	
	N/A			GPS, AGPS, GLONASS, Beidou	
	Bluetooth® 4.1 + BLE				
NFC	N/A				
	RFID: ISO14443 and ISO15693 NFC: MiFare, Felica, Calypso and HF RFID tag Sensor area on front side top of device				
BCR	N/A				
Camera	N/A				
Battery	Rear: 8M AF w/ Flash LED, Front: 2M				
Sensors	Support hot swappable, 4050 mAh battery, battery life 10 hours + hot swappable				
Physical Interface	Accelerometer (G sensor), Ambient Light sensor, Proximity sensor				
	MicroSD slot				
	3.5mm Jack: Supports headphone + mic / Supports dongle payment module				
	Pogo pin connector (9 pin), support charging and USB (Host / Client) Function				
	Built-in mic x2, support noise cancellation				
	Built-in speaker x1				
Environment	N/A				
	N/A				
	Receiver for voice call				
	Micro SIM slot x1				
Certification	Antimicrobial				
	IP67 and 1.2m drop-resistant				
	-20°C to +60°C operating temperature -30°C to +70°C storage temperature Humidity: 0 to 95%, Non-condense				
Warranty	CE / CB / FCC/ IC / BQB / ROHS / WEEE				
Dimension	12 months (extended warranty available)			161*80*17.5 (L x W x H; mm)	
Weight	161*80*16.9 (L x W x H; mm)			275g	
	255g	265g			

Thank You

