



All in one purpose-built computing for Healthcare



MioCARE™ A500 Series

IMPROVING HEALTHCARE PROCESSES FOR BETTER PATIENT OUTCOMES

The MioCARE™ A500 Series is designed to give healthcare professionals everything they need in a compact and powerful device. It is the premier choice of handhelds to facilitate the continued emergence of mHealth technologies and the digitisation of Healthcare processes. Its versatility makes the device ideal for a large variety of use cases including patient identification, medication management and inventory management.

The Android™ powered A500 Series features a bright 5-inch HD touchscreen which is compatible with gloved fingers and is resistive to liquid spillage. The device further boasts an uncompromising design for heavy use in demanding Healthcare environments, housing a IP67 casing capable of withstanding drops from 1.2m up to 1.8m*. A special antimicrobial coating ensures compliance with infection control standards.

The A500 comes equipped with powerful data-capture technology including the best-in-class Zebra SE4750 LED 1D/2D barcode imager as well as built-in NFC / RFID and HD cameras. It further boasts Dual-band WLAN capability and is also available in a 4G/LTE+GPS configuration.

Hot-swap technology ensures that staff productivity is no longer limited by a device's battery life. Together with a high-capacity 4050mAh battery and optional multi-slot battery & device charging cradles, medical professionals are guaranteed with 24/7 availability. Additional accessories include protective caps, hand-strap and pistol grip, ensuring the A500 is right at home in any environment – whether in a patient facing role or supporting role.



World-class data capture

- Best-in-class Zebra SE4750SR 1D/2D BCR with PRZM intelligent imaging platform
- 8MP AF rear camera and 2MP FF front camera + integrated NFC HF RFID technology



Enhanced connectivity

- Integrated 4G LTE for round-the-clock connectivity*
- WiFi, Bluetooth® 4.1 BLE, Integrated GPS/GLONASS*



Around-The-Clock Productivity

- Up to 10+ hours of operation time (MiTAC lab test)
- Removable 4050mAh high capacity battery pack
- Battery hot-swap feature ensuring continuous operation



Antimicrobial, Robust versatility for Healthcare

- Antimicrobial coating for excellent infection control
- IP67 antimicrobial housing for improved infection control
- Optional protective caps increasing drop resistant from 1.2m to 1.8m (MIL-STD-810G)



* Available on A545



MioCARE™ A500 Series

Specs	A505 WIFI	A545 LTE
Display	5" (1280 x 720) HD wide view angle IPS panel, 450 nits	
Touch	Capacitive multi-touch, Optical bonding, glove support and waterproof Chemically Strengthened Dragontrail™ Glass	
Platform	Qualcomm® Quad core 1.3GHz	
OS	Android™ 6.0	
Memory/Storage	2GB RAM / 16GB ROM	
Expansion	Micro-SD up to 128GB	
Wireless Interface	WIFI 802.11 a/b/g/n (2.4/5GHz) with WPA and WPA2 security	
	N/A	4G LTE (CAT 1) and VoLTE
	N/A	GPS, AGPS, GLONASS, Beidou
	Bluetooth® 4.1 + BLE	
NRC/RFID	Reader mode: ISO14443, ISO15693, FeliCa. P2P mode: ISO18092	
	Sensor area on front side top of device	
BCR	Integrated Zebra® 1D/2D imager with PRZM intelligent imaging technology	
	SE4750SR LED (Range up to 110cm)	
Camera	Rear: 8M AF w/ Flash LED, Front: 2M	
Battery	4050mAh Li-ion Polymer	
	Battery life 10+ hours (Hot-swap user replaceable)	
Sensors	Accelerometer (G sensor), Ambient Light sensor, Proximity sensor, Vibration motor	
Physical Interface	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	
	N/A	Receiver for voice call
	N/A	Micro SIM slot x1
Environment	Antimicrobial	
	IP67 and 1.2m drop resistant following MIL-STD-810G (up to 1.8m with protective caps)	
	Temperature: -20°C to +60°C (operating); -30°C to +70°C (storage)	
	Humidity: 0 to 95%, Non-Condense	
Certification	CE / CB / FCC / IC / BQB / ROHS / WEEE	CE / CB / BQB / ROHS / WEEE
Warrenty	12 months (extended warranty available)	
Dimension	161*80*16.9 (L x W x H; mm)	161*80*17.5 (L x W x H; mm)
Weight	265g	275g

* MioCARE A545 on demand only. Subject to MOQ.

Box contents

- MioCARE A500 Series device
- Protective caps (Green)
- AC charger with UK/EU plug
- USB to pogo pin charging cable
- Quick Start Guide
- Warranty Statement



MioCARE™ A500 Series



ACCESSORIES GUIDE



Sold separately
PN: 5413N5360005

▶ SINGLE / MULTI-UNIT CRADLE

- 7-pin connector, MicroUSB (charging), DC-in, USB 2.0 (host)
Combine up to 8 single-unit cradles and charge simultaneously.
- **Single-unit cradle charging requirements:** 10W power adaptor included with single-unit cradle.
 - **Multi-unit cradle charging requirements:** 120W power adaptor.



Sold separately
PN: 5413N5360014

▶ 4 SLOT BATTERY CHARGER

- 7-pin connector, MicroUSB port (charging), DC-in and LED indicator.
No power leads included.
- **Charging one battery only:** 10W adapter + USB cable available separately (5413N5360003).
 - **Charging multiple batteries:** Requires 120W adapter. Available separately (5413N5360004).



Sold separately
PN: 5413N5360004

▶ 120W CRADLE ADAPTER

- Required for:**
- Charging multiple single-unit cradles simultaneously.
 - Charging multiple batteries simultaneously in 4-slot battery charger.



included with device
PN: 5416N5360016

▶ POWER ADAPTOR AND USB TO POGO CHARGING CABLE

- 5V/2A USB Type A Power adaptor with UK/EU plug, including separate 1.3m USB to pogo pin 'snap-on' cable.



Sold separately
PN: 5413N5360014 (4-slot)
PN: 5413N5360005 (single)

▶ CRADLE CONFIGURATIONS

- Combine a mix of single-unit cradles and 4-slot battery chargers so that you charge up to 8 batteries/units at the same time. The illustrations above highlight the various maximum configurations.
- Requires 120W cradle adapter.



MioCARE™ A500 Series

ACCESSORIES GUIDE



Included with device
PN: TBC

▶ PROTECTIVE CAPS

Increases drop resistance from 1.2m to 1.8m. Made out of Antimicrobial material and compatible with Single unit cradle.



Sold separately
PN: 5416N5360017

▶ HANDSTRAP

Detachable and adjustable with direct access to hot-swap battery.



Sold separately
PN: 5413N5360007

▶ SPARE BATTERY

4050mAh Li-ion Polymer battery replacement for hot-swap feature.



▶ BCR PISTOL GRIP

BCR trigger key and unique 'enter' key feature for increased productivity. Replaces the rear battery cover. Compatible with MioCARE A505, but available only in MioWORK version (black/red).

* Antimicrobial features apply to main device only. Excludes Pistol Grip.

MioWORK™ A505/A545

Sold separately
Pistol Grip only: 5416N5360026

Identical to the MioCARE A500 Series in all but appearance. The MioWORK A505/A545 meet the same stringent standards demanded by the Healthcare industry and has the same antimicrobial features as the MioCARE A505/A545*. Ideal for use in the Healthcare supply chain for warehousing applications or inventory management.

Buttons	1x BCR key; 1x programmable key (default: Enter function)
I/O	4x pogo pin (BCR, programmable key, GND x2)
Environment	IP-rating N/A on pistol grip casing (main unit retains IP67 spec) 1.2m drop resistant (1.8m with protective caps) Temperature: -20°C to +60°C (operating); -30°C to +70°C (storage) Humidity: 0 to 95%, Non-Condense Wrist lanyard loop hole (adjustable lanyard included)
Certifications	FCC/IC, CE/CB, RoHS, WEEE
Weight	85.3g (approx. 409g ~ 419g including main unit)
Dimensions (H x L x W; mm)	Stand-alone: 117.5*107.4*78 Including main unit: 117.5*161*80