Versatile Rugged Handheld for Logistics, Retail and Hospitality

Mio™
all about you

MioWORK™ A500s Series

WORK SMARTER WITH COMPLETE FUNCTIONALITY AND ROUND-THE-CLOCK PERFORMANCE

The MioWORK™ A500s Series is a rugged handheld computer designed for a wide range of enterprise-grade applications. With a power-efficient Qualcomm® Octa-core SoC at its core, the device runs Android™ 10.0 equipped with GMS and boasts advanced Wi-Fi and LTE technologies; offering frontline workers a familiar, powerful and reliable tool to take on the task at hand. The device is further equipped with a high-capacity battery that is swappable during operation. This offers a cost-effective solution by enabling businesses to achieve maximum utilisation throughout consecutive shifts, without the need to operate multiple sets of devices. The integrated enterprise-grade 1D/2D Honeywell barcode scanner, high-res rear camera and NFC reader provide all-encompassing data capture capability in the workplace. Protected by IP67 water/dustproof and antimicrobial housing capable of withstanding drops of up to 1.8m, the MioWORK™ A500s is the best all-round companion to frontline staff in warehousing, logistics, hospitality, retail and healthcare applications.

GMS-certified device

- Android™ 10.0
- Google Mobile Service (GMS) certified
- Access to Google Play Store, featuring millions of applications and security updates

Power through all day long

- 4,100mAh main battery with 10+ hours operation time
- User-exchangeable (warm swap) from rear of the device
- Extended accessory eco-system including charging cradle and battery charger

Efficient data capture

- High performance built-in 1D/2D barcode imager with unique optional pistol grip design
- 8 megapixels auto-focus rear-camera with LED flash
- Integrated NFC / HF RFID reader supporting most card types

All-round affordable ruggedness

- IP67 ingress resistance - 1.2m (up to 1.8m) drop-proof following MIL-STD-810G
- Antimicrobial housing for frontline medical use and for use in hospitality
- Backwards compatible with A500 Series accessories. Cost-efficient for existing users looking for a performance boost

QUALCOMM®   android   SOTI

MioWORK™ A500s Series

Specifications	A500s	A505s	A545s
Display	5" (720 x 1280) HD wide view angle IPS panel, 450 nits		
Touch Panel	Capacitive multi-touch with optical bonding, glove support & water resistant, anti-glare coating		
Platform	Qualcomm® Snapdragon™ 625 Octa core, 2.0GHz		
OS	Android™ 10.0 (GMS)		
Memory/Storage	3GB RAM / 32GB internal storage		
Expansion	MicroSD slot (up to 128GB)		
Wireless Interface	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/w (2.4GHz & 5GHz)		
	Enhanced Open, WEP, WPA/WPA2-Personal, WPA3-Personal, WPA/WPA2/WPA3-Enterprise, WPA3-Enterprise 192-bit security standard, Wi-Fi Direct®		
	Bluetooth® 4.2 BLE		
	-		GPS (including AGPS) + GLONASS, simultaneously tracking, VoLTE
	-		LTE Cat.6 (3G/2G fallback*)
			EMEA & Australia 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; WCDMA Band 2/4/5
NFC	NFC: MiFare®, FeliCa		
	HF RFID: ISO14443 A&B, ISO15693		
Sensors	Accelerometer (G sensor) - auto rotation		Accelerometer (G sensor) - auto rotation
	Gyro		Gyro, eCompass
	Ambient light sensor		Ambient light sensor
	Vibration motor	Proximity, Vibration motor	Proximity, Vibration motor
BCR	-	1D/2D LED Aimer (Honeywell N3601)	1D/2D Laser Aimer (Honeywell N6603 ER)
Camera	-	Front**: 8 megapixels	
	-	Rear: 8 megapixels, auto focus with flash LED	
Physical Interface	MicroSD slot (up to 128GB capacity)		
	-		NanoSIM slot (SIM 1) and eSIM** (SIM 2)
	-		Receiver x1
	3.5mm jack (supports headphone + mic)		
	9-pin pogo pin connector (communicates to PC, supports charging, USB 2.0 client/host)		
	Built-in mic x2 (supports noise cancellation), Built-in speaker x1		
Buttons	Side: power, BCR x2, volume x2 (+/-); BCR and volume keys are programmable		
	Front: Android navigation hardware keys		
Battery	4,100mAh Li-ion rechargeable battery (supports warm-swappable, 58mAh back-up battery)		
	Battery life 10 hours + depending on usage (charging status on screen)		
Environment	Antimicrobial chassis		
	IP67 and 1.2m drop resistant following MIL-STD-810G (up to 1.8m with protective caps)		
	Temperature (operating): -20° to +50°C (-4° to +122°F)		
	Temperature (storage): -30° to +70°C (-22° to +158°F)		
	Humidity: 0 ~ 95%, non-condensing		
Certification*	CE/UKCA/CB, FCC, EAC, BQB, ROHS, WEEE		
Software	MiTAC Mobile Device Management (MiDM), MiLock (Kiosk Launcher) ready; SOTI MobiControl compatible		
Warranty	12 months (extended warranty available)		
Weight	255g (9.0oz)	263g (9.3oz)	270g (9.5oz)
Dimensions	161 x 80 x 18/22mm (6.34 x 3.15 x 0.71/0.87")		

* Region dependent   ** Factory optional (MOQ applies)

Box contents*

- **MioWORK device**
- **Battery**
- **USB to pogo pin charging cable**
- **Power adapter**
- **Quick start guide**

MioWORK™ A500s Series

ACCESSORIES GUIDE

▶ 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 adapter included with single-unit cradle. (PN: 5413N5360009)
- **Multi-unit cradle charging requirements:** 120W power adapter.

▶ 4-SLOT BATTERY CHARGER

7-pin connector, DC-in and LED indicator.
No power leads included.
Requires 120W power adapter. Available separately.

▶ 120W POWER ADAPTER

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

▶ POWER ADAPTER AND USB TO POGO CHARGING CABLE

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

▶ SINGLE-UNIT CRADLE + 4-SLOT BATTERY CHARGER

- Combine two 4-slot battery chargers or a single 4-slot battery charger with up to 4 device cradles. Charge simultaneously.
- Requires 120W power adapter.

▶ BATTERY PACK

4,100mAh Li-ion rechargeable battery pack.

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ACCESSORIES GUIDE

▶ PROTECTIVE CASING

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

▶ HANDSTRAP

Detachable with direct access to hot-swap battery.

Specifications

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
Weight	88g/3.1oz (approx. 343 ~ 358g including main unit)
Dimensions	Stand-alone: 117 x 107 x 78mm (4.61 x 4.21 x 3.07")
	Including main unit: 117 x 161 x 80mm (4.61 x 6.34 x 3.15")

▶ BCR PISTOL GRIP

BCR trigger key and unique 'enter' key feature for increased productivity. Replaces the rear battery cover.