# GT-500

5" Ultra-Rugged Handheld Device

## Features
- Support Android 7.0
- Quad-core ARM Cortex-A53 1.3GHz
- Multiple Connectivity including WLAN, Bluetooth, NFC and 2G/3G/LTE.
- WorldMode modem capability (Support FDD/TDD-LTE, WCDMA, CDMA2000 1xEV-DO and GSM/GPRS/EDGE)
- IP67 rated water and dust resistance.
- Drop proof: Up to 1.5m drop tested onto plywood over concrete
- Accelerometer, Gyroscope, Light sensor, GPS & Pressure Sensor
- Built-in 1D/2D barcode scanner
- Node-Watch supported to unified manage mobile devices, apps, and contents

## System
- **CPU**: Quad Core ARM Cortex-A53 1.3GHz
- **Operating System**: Android 7.0
- **Memory**: 2GB LPDDR2
- **Flash**: 16 GB eMMC

## Peripherals and Devices
- **Camera**: Front: 2.0 megapixel camera
  Rear: 13.0 megapixel camera with Auto-Focus and Flashlight
- **Sensor**: Accelerometer (G-sensor)
  Gyroscope
  Pressure Sensor
  Proximity sensor
  Ambient light sensor
- **Barcode Scanner**: 1D/2D barcode reader, either with physical trigger button
- **Audio & Vibrator**: 1 x built-in microphone
  1 x built-in speaker (0.5W)
  1 x 3.5mm stereo headphone/microphone combo jack
  1 x vibrator
  FM radio
- **WLAN**: Integrated IEEE 802.11a/b/g/n
- **Bluetooth**: Bluetooth 4.1 (BLE, HS compliant)
- **WWAN**: 2G GSM/GPRS/EDGE (Band 850 / 900 / 1800 / 1900)
  3G WCDMA (Band 1,2,5,8)
  3G CDMA2000 (BC0/BC1)
  4G FDD+TDD (Band1,3,5,7,8,20,38,39,40,41)
  4G DRX (Band1,3,5,7,8,20,38,39,40,41)
- **Navigation**: GPS/Beidou
  GPS/Glonass (Optional)
- **NFC**: Yes

## I/O Interface
- **USB Port**: 1 x micro USB 2.0 port High Speed / OTG Compatible.
- **SD Slot**: 1 x microSD card slot (max 32G)
- **SIM card**: 1 x micro-SIM (3FF) socket supporting 2G/3G/LTE
  1 x micro-SIM (3FF) socket supporting 2G only

## LCD Display
- **Size/Type**: 5" TFT LCD
- **Resolution**: 720(W) x 1280(H)
- **Brightness (cd/m²)**: 500 cd/m²
- **Touch Screen**: 5 points capacitive touch (PCT)

## Power Supply
- **Battery Type**: Lithium-ion rechargeable battery, field replaceable.
- **Battery Capacity**: Typical 3.7V, 4800mAh
- **Adapter Input**: AC 100-240V 50~60 Hz
- **Adapter Output**: 5V/2A (10W)

## Mechanical & Environmental
- **Sealing Level Rate**: IP67
- **Drop**: 1.5m drop tested onto plywood over concrete
- **Operating Temperature**: -10°C ~ 50°C (14°F ~ 122°F)
- **Storage Temperature**: -20°C ~ 60°C (-4°F ~ 140°F)
- **Operating Humidity**: 5% ~ 95% RH
- **Dimensions(mm)**: 165.8(H) x 86(W) x 25.6(D)
- **Weight**: under 385g (with battery)

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All specifications are subject to change without notice. Last update: 13/11/2019

www.AMobile-solutions.com
**Dimensions**

| Dimensions | 86 | 106.8 | 25.6 |

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**Ordering Information**

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>GT-500</td>
<td>5&quot; display, 720x1280 HD resolution, Quad-core 1.3 GHz CPU, Android 7.0, WiFi IEEE 802.11 a/b/g/n, BT 4.1 BLE, NFC, WWAN 2G/3G/4G LTE, GPS, 1 x micro USB 2.0 port High Speed / OTG Compatible, 1 x microSD card slot, Dual SIM, RoHS, 2 + 13 Mega-pixel camera, IP67, Up to 1.5m drop resistance (Pistol Grip not included).</td>
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<tr>
<td>GT-500-2D</td>
<td>5&quot; display, 720x1280 HD resolution, Quad-core 1.3 GHz CPU, Android 7.0, WiFi IEEE 802.11 a/b/g/n, BT 4.1 BLE, NFC, WWAN 2G/3G/4G LTE, GPS, 1 x micro USB 2.0 port High Speed / OTG Compatible, 1 x microSD card slot, Dual SIM, RoHS, 2 + 13 Mega-pixel camera, IP67, Up to 1.5m drop resistance (Pistol Grip not included), 2D barcode scanner</td>
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**Packing Information**

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<thead>
<tr>
<th>Part Name</th>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>GT-500</td>
<td>Rechargeable Li-ion battery pack</td>
<td>Typical 3.7V, 4800mAh</td>
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<tr>
<td>GT-500-2D</td>
<td>Micro USB Cable</td>
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**Optional Accessories**

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<tr>
<th>Part Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>Universal Power Adapter</td>
<td>5V/2A</td>
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<tr>
<td>Hand Strap</td>
<td>165(L) x 40(W)mm</td>
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<td>4-in-1 Battery Charger</td>
<td>One-time Charging for 4 Batteries</td>
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<tr>
<td>Desktop Cradle</td>
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<tr>
<td>Pistol Grip</td>
<td>Pistol grip</td>
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<td>UHF Reader</td>
<td>Pistol grip with UHF RFID scanner</td>
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**Functions Support Comparison**

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<thead>
<tr>
<th>Part Name</th>
<th>Barcode</th>
<th>Bluetooth</th>
<th>Wi-Fi</th>
<th>GPS</th>
<th>3G</th>
<th>LTE</th>
<th>NFC</th>
<th>Camera</th>
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**Solutions**

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<tr>
<th>Part Name</th>
<th>Retail &amp; Logistics</th>
<th>Warehouse</th>
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<th>Energy</th>
<th>Manufacturing</th>
<th>Oil &amp; Gas</th>
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