

IoT Devices

TRINITY IOT
PRODUCT CATALOGUE



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INTRODUCING

MOBIDRIVE

TRINITY CERTIFIED & PLATFORM COMPATIBLE

MobiDrive™ is a telematics box specially designed for the needs of insurance companies and fleet management specialists. Its 6 axis motion sensors offer integrated monitoring of driver behaviour, and crash and impact detection capabilities. Thanks to the flexibility of its Android™ Operating System, MobiDrive™ is the first telematic box built directly around a 2G and 3G cellular chipset offering an Android™ interface allowing the embedding of multiple business applications that are easy to develop, integrate, update and maintain over the years. The use of a single processor for the management of the cellular communications and the business application(s), allows a better optimisation of the energy consumption and significantly improves the reliability of the telematics box compared to the usual modular approach. The unique mounting concept of MobiDrive™ allows professionals to harmonize their telematics fleet by using a single type of device with different supports perfectly adapted to each working environment.



Android compatible



Bluetooth telematics



2G/ 3G Connection



Compatible with Trinity Remote Management System



Embedded SIM



Autonomy for 21 days

Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support

Technical Description

| | |
|-----------------------|---|
| Software | OS: Android 4.4.2 Full compatibility with Accessor platform |
| Memory | Flash 512 MB RAM 256 MB |
| Sensors | 6 axis motion sensors - 3D accelerometer and Gyroscope Tamper detection – hardware |
| Positioning | High Sensitivity GPS/Glonass/Galileo, GPS/Beidou Time-To-First-Fix Hot start: 1s / Cold start: 24s |
| Power | Internal battery 2,600 mAh – 21 days autonomy – 2 hours charging time Charging input 3.5mm jack, 5v to 24v |
| Interfaces | Power ON/OFF button Low power indicator 3 colors LED – customizable threshold Network connection indicator 3 colors LED Buzzer |
| Connectivity | Cellular 2G 850/900/1800/1900 MHz, and 3G 850/900/1900/2100 MHz Embedded SIM: eSIM or 3FF SIM Bluetooth 4.2 low energy |
| Mechanical | Dimensions 74.5 mm x 64.5 mm x 23.6 mm Weight 150 gr Dustproof and waterproof IP54 Operating temperature -20°C / +70°C – overheat protection |
| Certifications | CE, ICASA, UN38.3, 2006/66/EC, IEC62133, MSDS, RoHS, WEEE FCC ready; Others: On Demand |
| Options | Windshield mounting support ① Cigarette lighter adapter to USB 5V/1A, USB to 3.5mm jack charging cable (5v-24v), 3m length ② Windshield solar charger ③ |

INTRODUCING

MobiGo

TRINITY CERTIFIED & PLATFORM COMPATIBLE

The MobiGo is a shockproof, water resistant device which is easily connected to and used. It includes a large memory, dual SIM functions and a capacitive 4" touch screen. This lightweight device boasts an impressive camera, removable battery and includes a custom API for powerful Android apps. These features allow users to provide multiple financial services with easy development and maintenance.



Make payments safely



Pay by QR code



Compatible with Trinity Remote Management System



Pay by NSDT to make safe payments



Built in 'Know Your Customer' capabilities



Manage and control in real-time

Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support



Technical Specifications

| | |
|-----------------------------|---|
| Operating System | Android 8.1 Go edition. SDK and custom API for powerful Android apps. Deployment tools. Application Lock-in Tools |
| Mobile Networks | GSM; GPRS; EDGE B2/B3/B5/B8; WCDMA; HSPA+B1/B2/B5/B8 |
| NFC | ISO14443A&B, incl.Mifare Ultralight, Ultralight C and Classic. NXP Secure element |
| Connectors | Micro USB |
| CPU | 1.3GHz Quad Core; Cortex A7 |
| Display | Capacitive Touch Screen; 4" WVGA |
| Location | GPS; A-GPS |
| WiFi | IEEE 802.11 b/g/n |
| Camera | 5MP Auto-Focus |
| Battery | 1750mAh - 3.8V Li-ion; Removable |
| Card Reader | Dual SIM 2FF / Single SIM 2FF + Smart card 2FF ISO7816 Micro SD card |
| Bluetooth | 4.2 Low energy |
| Weight | 137g |
| Dimensions | 129 x 65 x 11.5mm |
| Charger | Input:100 ~ 240V 50/60Hz 0.2A. Output: 5V 1A |
| Memory | 4GB ROM + 512MB RAM |
| Operating Conditions | 0°C-45°C; Drop up to 0.8m |
| Ingress Protection | IP54: Protection against water splashing and from dust ingress |
| Other | Lanyard. Shockproof case. Tempered glass |

INTRODUCING

MobiGo+

TRINITY CERTIFIED & PLATFORM COMPATIBLE

The MobiGo+ is a shockproof, water resistant device which is easily connected to and used. It includes a large memory, dual SIM functions and a capacitive 4" touch screen. This lightweight device boasts an impressive camera, removable battery and includes a custom API for powerful Android apps. These features allow users to provide multiple financial services with easy development and maintenance.



Memory: 1GB RAM, 8GB ROM



Custom API for powerful Android apps



Dual SIM



Built-in NFC feature



5MP Auto-Focus Camera



4" Touch Screen

Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support



Technical Specifications

| | |
|-----------------------------|---|
| Operating System | Android 8.1 Go edition. SDK and custom API for powerful Android apps. Deployment tools. Application Lock-in Tools |
| Mobile Networks | GSM; GPRS; EDGE B2/B3/B5/B8; WCDMA; HSPA+B1/B2/B5/B8 |
| NFC | ISO14443A&B, incl.Mifare Ultralight, Ultralight C and Classic. NXP Secure element |
| Connectors | Micro USB |
| CPU | 1.3GHz Quad Core; Cortex A7 |
| Display | Capacitive Touch Screen; 4" WVGA |
| Location | GPS; A-GPS |
| WiFi | IEEE 802.11 b/g/n |
| Camera | 5MP Auto-Focus; White LED flash; Barcode/QR code scan |
| Battery | 1750mAh - 3.8V Li-ion; Removable |
| Card Reader | Dual SIM 2FF / Single SIM 2FF + Smart card 2FF ISO7816 Micro SD card |
| Bluetooth | 4.2 Low energy |
| Weight | 137g |
| Dimensions | 129 x 65 x 11.5mm |
| Charger | Input:100 ~ 240V 50/60Hz 0.2A. Output: 5V 1A |
| Memory | 1GB RAM + 8 GB ROM; USB OTG Supported |
| Operating Conditions | 0°C-45°C; Drop up to 0.8m |
| Ingress Protection | IP54: Protection against water splashing and from dust ingress |
| Other | Lanyard. Shockproof case. Tempered glass |

INTRODUCING

MOBIGO 2F

TRINITY CERTIFIED & PLATFORM COMPATIBLE

A mobile PoS with a scanner dedicated for professional services.

- Mobile Wallet features via agent network
- Customer due diligence (KYC - Know Your Customer)
- Biometric fingerprint reading
- NFC tag reader



Runs on Android™ 10 to assure you the best Google services.



The NFC function allows you to make instant payments.



Includes biometric fingerprint by IDEMIA in order to allow a secured identification.



In order to guarantee exclusively professional use, voice services are disabled on MobiGo 2F .



Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support

Technical Description

| | |
|-----------------------------|---|
| OS | Android 10 Go edition SDK and custome API for powerful Android apps Deployment Tools Application Lock-in Tools |
| Camera | 13MP Rear + 8MP Front Focus: Auto Rear - Fix Front White LED Flash |
| Mobile Networks | GSM, GPRS, EDGE : B2/B3/B5/B8 WCDMA, HSPA+ : B1/B2/B5/B8 LTE Cat 4. : B1/B3/B7/B8/B20 FDD B38/B40/B41TDD |
| Operating Conditions | 0° C to 45° C Drop up to 1.2m |
| Accessories | Silicon Case |
| CPU | 1.3HGZ Quad Core Cortex A53 |
| Battery | 3500mAh 3.8V Li-Ion Removable |
| Wifi | IEEE 802.11 a/b/g/n |
| Ingress Protection | IP54: Protection against water splashing and dust ingress |
| Connectors | USB type C OTG supported |
| Memory | 2GBRAM + 16GB ROM |
| Card Reader | SIM: Dual SIM 3FF + 3FF SAM: 2FF ISO7816 |
| Bluetooth | 5.0 |
| Dimensions | 170*70*14.7mm TBC |
| Charger | Input: 100 - 240V 50/60Hz 0.5A Output: 5V 2A |
| Display | 4.95" FWVGA+ |
| Location | GPS and A - GPS |
| NFC | ISO14443A&B, incl. Mifare Ultralight, Ultralight C and Classic |
| Weight | TBC |

INTRODUCING

MobiPrint3+

TRINITY CERTIFIED & PLATFORM COMPATIBLE

MobiPrint 3+ is a connected POS terminal with a dual keypad (physical and virtual), a camera and contactless capability. Other standout features include its high power charger, a numerical 12 keys Keypad with 4 programmable keys and a state of the art printer. These features allow users to provide multiple financial services with easy development and maintenance.



Memory: 1GB RAM, 8GB ROM



3G with Edge and Wifi failover



Dual SIM and SAM



3.5" Touch Screen



5MP Auto-Focus Camera



Extremely fast printing: 90mm/second

Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support



Technical Specifications

| | |
|-----------------------------|--|
| Operating System | Android 8.1 Go edition. SDK and custom API for powerful Android apps. Deployment tools. Application Lock-in Tools |
| Printer | Up to 90mm/s - 18/lined/s; Paper width 58mm; Paper roll diameter: 40mm. ASCII, Unicode, French, Spanish, Arabic, Hindi, Cyrillic, Thai, Turkish, Greek |
| Mobile Networks | GSM; GPRS; EDGE B2/B3/B5/B8; WCDMA; HSPA+B1/B2/B5/B8 |
| NFC | ISO14443A&B, incl.Mifare Ultralight, Ultralight C and Classic. NXP Secure element |
| Connectors | Micro USB; Audio Jack 3.5mm; Jack DC-in |
| CPU | 1.3GHz Quad Core; Cortex A7 |
| Display | Capacitive Touch Screen; 3.5" QVGA |
| Location | GPS; A-GPS |
| WiFi | IEEE 802.11 b/g/n |
| Camera | 5MP Auto-Focus; White LED flash; Barcode/QR code scan |
| Battery | 2600 mAh - 7.2V Li-ion; Removable |
| Card Reader | Dual SIM 2FF; Smart card 2FF ISO7816 |
| Bluetooth | 4.2 Low energy |
| Weight | 470g |
| Dimensions | 183 x 76 x 65mm |
| Adapter | Input:110-230V 1.5A - Multi plug; Output: 9V 5A |
| Memory | 1GB RAM + 8 GB ROM; USB OTG Supported |
| Operating Conditions | 0°C-45°C; Drop up to 0.8m |
| Keys | Numerical 12 keys Keypad. 4 Programmable keys |
| Other | *External antenna connector. Smart Card1FF ISO7816 |

INTRODUCING

MobiPrint 4

TRINITY CERTIFIED & PLATFORM COMPATIBLE

MobiPrint 4 is an Android Point of Sale terminal with a large touchscreen, a built-in camera and the contactless functionality. Other stand-out features of this device include its high power charger, state-of-the-art printer and customizable experience with advanced API. Together, these features allow users to manage point of sales in real time, boost the volume of their transactions and increase revenue.



Memory: 1GB RAM, 8GB ROM



Large 5.4 Touch Screen



3G with Edge and Wifi failover



5MP Auto-Focus Camera



Dual SIM - Significantly higher availability!



Extremely fast printing: 90mm/second



Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support



Technical Specifications

| | |
|-----------------------------|--|
| Operating System | Android 8.1 Go edition. SDK and custom API for powerful Android apps. Deployment tools. Application Lock-in Tools |
| Printer | Up to 90mm/s - 18/lined/s; Paper width 58mm; Paper roll diameter: 40mm. ASCII, Unicode, French, Spanish, Arabic, Hindi, Cyrillic, Thai, Turkish, Greek |
| Mobile Networks | GSM; GPRS; EDGE B2/B3/B5/B8; WCDMA; HSPA+B1/B2/B5/B8 |
| NFC | ISO14443A&B, incl.Mifare Ultralight, Ultralight C and Classic |
| Connectors | Micro USB; Audio Jack 3.5mm; Jack DC-in |
| CPU | 1.3GHz Quad Core; Cortex A7 |
| Display | Capacitive Touch Screen; 3/4"FWVGA+ |
| Location | GPS; A-GPS |
| WiFi | IEEE 802.11 b/g/n |
| Camera | 5MP Auto-Focus; White LED flash; Barcode/QrR code scan |
| Battery | 2600 mAh - 7.2V Li-ion; Removable |
| Card Reader | Dual SIM 2FF; Smart card 2FF ISO7816 |
| Bluetooth | 4.2 Low energy |
| Weight | 450g |
| Dimensions | 195 x 84 x 55mm |
| Adapter | Input:110-230V 1.5A - Multi plug; Output: 9V 5A |
| Memory | 1GB RAM + 8 GB ROM; USB OTG Supported |
| Operating Conditions | 0°C-45°C; Drop up to 0.8m |
| Keys | 4 Programmable keys |
| Other | *Docking and charging station; Lanyard compliant; Secure mounting station |

INTRODUCING

MOBIPRINT 4+

TRINITY CERTIFIED & PLATFORM COMPATIBLE

The 4G full-screen terminal for a seamless PoS experience.

- High power charger
- Extremely fast printer
- Large and comfortable touch screen
- Customizable experience with advanced API



Runs on Android™ 10 to assure you the best Google services.



The NFC function allows you to make instant payments.



Includes biometric fingerprint by IDEMIA in order to allow a secured identification.



In order to guarantee exclusively professional use, voice services are disabled on MobiGo 2F .



Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support

Technical Description

| | | |
|-----------------------------|---|--|
| OS | Android 10 SDK and custom API for powerful Android apps Deployment Tools Applicatipn Lock-in Tools | |
| Camera | 13MP Auto-Focus White LED Flash Barcode/QR Code scan | |
| Mobile Networks | GSM, GPRS, EDGE B2/B3/B5/B8 WCDMA, HSPA+ B1/B2/B5/B8 LTE Cat 4 B1/B3/B7/B8/B20 FDD B40 TDD | |
| Printer | Up to 100mm/s Paper width 58mm Paper roll diameter 40mm | ASCII, Unicode, French, Spanish, Arabic, Hindi, Thai, Turkish,Greek |
| Others | Docking and charging station Lanyard compliant Secure mounting solution | |
| CPU | 1.3HGZ Quad Core Cortex A7 | |
| Battery | 2600mAh - 7.2V Li-ion | |
| Wifi | IEEE 802.11 b/g/n - 2.4GHz IEEE 802.11 a/n - 5GHz | |
| Operating Conditions | -10°C - 42°C Drop up to 0.8m | |
| Connectors | USB type C | |
| Memory | 2GB RAM + 16GB ROM USB OTG supported | |
| Card Reader | Dual SIM 4FF + 4FF Smart card 2FF ISO7816 Micro SD card | |
| Bluetooth | 5.0 | |
| Dimensions | 195*84*55mm TBC | |
| Charger | Input: 110~230V 1.5A - Multi plug Output: 9V 5A | |
| Display | Capacitive Touch Screen 5.45" HD+IPS | |
| Location | GPS and A - GPS | |
| NFC | ISOA4443A&B, incl. Mifare Ultralight, Ultralight C and Classic FeliCa | |
| Weight | 450g TBC | |

INTRODUCING

MOBIGO 2

TRINITY CERTIFIED & PLATFORM COMPATIBLE

The 4G full-screen terminal for a seamless PoS experience. The combination of a true NFC reader, high resolution cameras and efficient power management in a compact and stylish design. Take out the benefit from the latest generation of Android and their associated security features to protect your applications, your business and your investments.



Runs on Android™ 10 to assure you the best Google services.



The NFC function allows you to make instant payments.



Customisable Action key



In order to guarantee exclusively professional use, voice services are disabled on MobiGo 2.



Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support

Technical Description

| | |
|------------------------------|--|
| OS | Android 10 SDK and custom API, custom firmware |
| Networks | 2G/3G/4G |
| Security | Hardware eFuse at chipset level Lock firmware with custom signature |
| Memory | 2GB RAM + 16GB ROM Avg user ROM 10.6 GB |
| Wifi | IEEE 802.11 b/g/n - 2.4GHz IEEE 802.11 a/n - 5GHz |
| Connectors | USB type C, OTG 2.0 |
| CPU | Mediatek MT8765 Quad Core Cortex A53 @ 1.3 GHz. |
| Bluetooth | Blue Tooth 5 |
| Power | 3 500mAh - 3.8V Li-ion, 2.8h charging time Input: 100-240V 0.5A - Output: 5V 2A |
| Display | Capacitive Touch Screen 5" FWVGA+ TN (480 x 960) |
| NFC | NXP chipset, ISO A4443 A&B, incl. Mifare Ultralight C and Classic, FeliCa |
| Dimensions and weight | 170x 70 x 14.7 mm 200 g |
| Camera | Fr 8MP-FF/Bck 13MP-AF, White LED flash Barcode & QR Code reading |
| Location | GPS/Glonass?Beidou?QZSS |
| Operating conditions | Temp. -20°C / +60°C; Humidity < 75% IP54; Drop up to 0.8 |
| Keys | 3 Programmable Keys |
| Cards | Dual SIM 3FF, SAM 2FF ISO7816 Micro SD Card |
| Accessories | Shock proof silicone case |

INTRODUCING

MOBIGO 2S

TRINITY CERTIFIED & PLATFORM COMPATIBLE

The 4G full-screen terminal for a seamless PoS experience. Designed to meet the growing needs for reading barcodes and QR codes on the go, MobiGo2S can easily be integrated into any existing data management system.

- Mobile Wallet features via agent network Customer due diligence
- (KYC - Know Your Customer) Bar code reading and,
- reporting NFC tag reader



Runs on Android™ 10 to assure you the best Google services.



The NFC function allows you to make instant payments.



Barcode and QR scanner



In order to guarantee exclusively professional use, voice services are disabled on MobiGo 2 .



Simply order, and we'll take care of the rest



Source



Import



Test



ICASA



Management Platform



Onboarding



24/7 Support

Technical Description

| | |
|------------------------------|--|
| OS | Android 10 SDK and custom API, custom firmware |
| Networks | 2G/3G/4G |
| Security | Hardware eFuse at chipset level Lock firmware with custom signature |
| Memory | 2GB RAM + 16GB ROM Avg user ROM 10.6 GB |
| Wifi | IEEE 802.11 b/g/n - 2.4GHz IEEE 802.11 a/n - 5GHz |
| Connectors | USB type C, OTG 2.0 |
| CPU | Mediatek MT8765 Quad Core Cortex A53 @ 1.3 GHz. |
| Bluetooth | Blue Tooth 5 |
| Power | 3 500mAh - 3.8V Li-ion, 2.8h charging time Input: 100-240V 0.5A - Output: 5V 2A |
| Display | Capacitive Touch Screen 5" FWVGA+ TN (480 x 960) |
| NFC | NXP chipset, ISO A4443 A&B, incl. Mifare Ultralight C and Classic, FeliCa |
| Dimensions and weight | 170x 70 x 14.7 mm 212 g |
| Camera and scanner | Back 13MP-AF, White LED flash Barcode scanner 1D/2D & QR Code reading |
| Location | GPS/Glonass?Beidou?QZSS |
| Operating conditions | Temp. -20°C / +60°C; Humidity < 75% IP54; Drop up to 0.8 |
| Keys | 3 Programmable Keys |
| Cards | Dual SIM 3FF, SAM 2FF ISO7816 Micro SD Card |
| Accessories | Shock proof silicone case |



Fast Food

"Trinity brings together all the elements of a complex IoT project into a single smart platform that is ready to use."

- Devin Sinclair, Head of Mr D Food

MR D FOOD USE CASE

The MobiPrint 3+ in action, powered by Trinity

Mr D Food (previously Mr Delivery) has blown the lid off South Africa's fast food industry by capitalising on the demand for good (and quick) cuisine, the surge in Internet penetration and a formidable partnership with Trinity.

Mr D Food has deployed over 5000 MobiPrint devices to date, with plans for a further 1000 in the near future.

The Need

When a global rise in demand for food delivery services hit South Africa in 2014, Mr D Food found itself uniquely suited to give people what they want: Fast Food!

Mr D Food already already had the domain expertise, delivery infrastructure and App to boot. There were just two things missing: A system that could process and route thousands upon thousands of orders every second and devices that could receive and print orders in real time.

On top of that, the window of opportunity was small: 6 months (to be exact) until the market would be saturated. Needless to say, when Mr D Food approached us, we jumped straight to work!

The Solution

First our team collaborated with Mr D Food stakeholders to determine the best holistic solution and hardware for their business needs.

We then tested and provisioned MobiPrint devices for Mr D Food on the Trinity platform. This process included embedding a custom agent in the MobiPrint series firmware that provides Mr D Food with remote visibility and control of each device on the network via the Trinity Platform.

Trinity IoT Advantages

- Manage your Device Estate securely via a customized platform tailored to your business model.
- Real-time visibility and remote management of your entire IoT estate, including assets, devices and SIMs.
- Set up custom alerts & workflows for critical 'in field' data:
- Retrieve live data securely from a stable, highly advanced, and geographically redundant IOT platform.