

Data Sheet

# TN500AX-EX

ATEX ZONE 2 Smartphone



Supplied by

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# TN500A1-Ex ATEX Zone 2 Smartphone



The TN500A1-Ex is an Android LTE enterprise ATEX Zone 2 Certified smartphone designed for today's demanding business environment. The combination of full functionality and style, it is the ideal device to work efficiently and enhance productivity in any business environment.

Thanks to its support of LTE it allows fast data connections and efficient working.

With its integrated 1D/2D imaging barcode scanner, it is perfect for all logistics, warehousing, asset management and inspection applications in Business, Industrial and ATEX environments.

As easy to use as a Smartphone with the addition of Automatic Data Capture, this is a rugged, durable device that will withstand intensive use and rough conditions and complies with IP65 rating and ATEX Zone 2 requirements.

With its large display, and its high capacity exchangeable battery, this is the ultimate device that will take your business further.

**Android™ | LTE | 5" display | Rugged design**

## OS and Processor

- Android™ Oreo 8.1
- Qualcomm® MSM8909 quad-core 1.1GHz

## Display

- 5" HD Screen (1280\*720), 350 NIT
- Capacitive touch, Gorilla Glass 3

## Memory/Internal Storage

- 2GB LPDDR3 SDRAM+16GB eMMC flash
- 1GB LPDDR3 SDRAM+8GB eMMC flash (Optional)

## Camera

- 8MP Rear Auto Focus Camera
- F/NO 2.0
- 10cm Macro Capture Support
- 1080P Image Decoding

## Wireless

- WLAN 802.11 a/b/g/n @5GHz & 2.4GHz
- Bluetooth 4.0
- NFC - NQ210 Supported card types: ISO/ICE 14443A/Mifare, Jewel/Topaz tags, Felica cards, ISO/IEC 14443B, ISO/IEC 15693, ICode

## Sensors

- 3-axis accelerometer
- Proximity sensor
- Ambient light sensor
- E-Compass
- Gyroscope
- GPS

## Audio

- 1 Speaker
- 2 Microphones
- 1 Receiver

## WAN

- LTE B1(2100), B2(1900), B3(1800), B4(1700) B5(850), B7(2600), B8(900), B17(700), B20(800), B26(850) B28(700) B38(2600), B39(1900), B40(2300), B41(2500)
- UMTS: B1(2100), B2(1900), B3(1800), B4(1700), B5(850), B8(900)
- CDMA: BCO BC1 BC6
- TD-SCDMA: B34(2100), B39(1900)
- GSM Quad Band 850/900/1800/1900 MHz

## I/O Interfaces

- 1D/2D barcode, OCR Honeywell N6603
- 1 Micro USB connector OTG
- 1 Micro SD Card Slot
- 1 SIM Card Slot
- 4 pogo pins for charging on docking station

## Battery

- 3.7V 4,400 mAHr Battery (exchangeable)

## Dimensions

- L 177.4 x W 88.5 x T 22mm
- Weight: 300g (with battery)

## Operating Environment

- Operating Temperature
- 0°C - + 45°C in charging mode
- -20°C - + 60°C battery in discharging mode
- Storage Temperature -20°C - + 60°C
- Humidity
- 5 to 85% non-condensing

## Drop Protection

- 1.2M on plywood, 6 drops

## ESD

- air ±15KV
- contact ±10KV

## Ingress Protection Rating

- IP65

## Certifications

- CE, CB, NCC, UN38.3



II 3G Ex ic op is IIC T4/T5 Gc Certification  
EPS 18 ATEX 1 091 X

## Accessories for TN500A1-EX

### Back Cover & Hand-strap



### DS10010 Single Docking Station



- TN500 and spare Battery charging slot
- DC jack in/Pogo connector/LED indicator
- Power: 5V/4A
- 70cm drop
- Water Splash proof