



# TS3200-A

MOBILE COMPUTER

# RUGGED BY DESIGN

The **TS3200-A** is a 'Tour de force' in both design and ingenuity, suitable for the most rigorous use in the most extreme conditions. The **TS3200-A** provides full protection against dust, water and oil ingress and is fully compliant with the **ATEX IECEx directive**, allowing safe use in potentially explosive environments.

## BUILT TO LAST

The robust construction of the **TS3200-A** has resulted in a mobile computer that is built to last. Unique to TouchStar is the internal silicon mounted chassis, ensuring full protection of the internal electronic components within tough handheld or vehicle mounted applications. When combined with the high impact polycarbonate plastics, the **TS3200-A** provides an extremely reliable solution that is designed to last. Not only this, TouchStar provide the long term support to guarantee seamless operation, reduced downtime and a low total cost of ownership.

KEY COMPONENTS  
PROTECTED BY AN INTERNAL  
SILICON CHASSIS



## OTHER DESIGN FEATURES THAT MAKE THE TS3200-A THE MOST RUGGED TERMINAL IN ITS CLASS:

- IP65 rating
- Survives 1.5m drops on to concrete
- Operates in wide temperature extremes (-20°C to +55°C)
- High impact polycarbonate rugged touch screen

Our designers have worked hard to achieve industry-leading ruggedness to ensure that the **TS3200-A** will withstand the most extreme environments.

# RUGGED AND POWERFUL

The **TS3200-A** has been designed with a more efficient logistics operation in mind. Streamlining the data collection process, the **TS3200-A** integrates the latest high resolution bar code imager, 5M pixel camera and rugged touchscreen. Combined with powerful high-speed processor technology and 3G/4G/HSPA communications, users are supported with fast and reliable transfer of data.

## ULTRA VERSATILE CRADLE SYSTEM

Designed to be versatile throughout all warehouse and logistics operations, the **TS3200-A's** innovative cradle system provides a robust, user-friendly mounting solution. The compact cradle design enables easy installation in any HGV, van, forklift truck or on a warehouse trolley.

The unique magnetic guidance system facilitates one-handed insertion in either landscape or portrait orientation, offering genuine ease of use and versatility when switching between mounted and mobile operations.

For maximum protection, the incorporation of a positive locking mechanism ensures the **TS3200-A** is securely held at any angle in environments where high levels of vibration and shocks occur.



## PROVEN PERFORMANCE

Front-line personnel demand rugged, reliable mobile computing devices to successfully complete job routines. The **TS3200-A** offers proven performance in a vast number of demanding industry settings including:



FUEL & INDUSTRIAL DISTRIBUTION



DISTRIBUTION OF HAZARDOUS GOODS



WAREHOUSING



GENERAL HAULAGE & TRANSPORTATION



BULK LIQUID, POWDER & FOOD DISTRIBUTION



FIELD SERVICE

# TS3200-A

## MOBILE COMPUTER

### Technical Specification

#### MECHANICAL

Dimensions: 220mm (W) x 33.5mm (D) x 135mm (H)  
Weight: 765g

#### ENCLOSURE

High density Silicone / Polycarbonate composite  
Impact resistant, flame retardant, ATEX specification  
Internal silicon mounted chassis for maximum impact absorption

#### OPERATING SYSTEM

Android 6.0.1

#### DISPLAY

7" 1024 x 600, 24bit Colour TFT, Anti-Glare, 16:9 Ratio  
LED Backlit  
Direct Sunlight Readable IPS

#### CAPACITIVE TOUCHSCREEN

High Impact Polycarbonate  
Signature capture  
Multi-Touch

#### PROCESSOR

CPU: Freescale i.MX6 800MHz - 1GHz  
TYPE: Cortex - A9 MPCore

#### MULTIMEDIA

Graphics Accelerated 2D and 3D  
1080p30 H.264 Decode,  
720p30 H.264 Encode

#### MEMORY / STORAGE

2GB Low Power DDR2 RAM  
16GB eMMC - Standard - 64GB Option

#### EXPANSION / CONNECTIVITY

Micro SD Card,  
Micro SIM Card Socket  
USB-C (Via Cradle)

#### CRADLE INTERFACE

Magnetic Guided Docking  
5V Power Input  
USB-C Connector  
External 3G/4G Antenna Socket  
External GPS Active Antenna Socket

#### INTERNAL RECHARGEABLE BATTERY

Lithium Ion 3.7V, 4060mAh, 30Wh

#### NETWORKING & COMMUNICATION

WIFI: 802.11a/b/g/n + MIMO (2.4GHz/5GHz)  
BLUETOOTH: 4.0/BLE, Hands Free Audio Interface Support  
MOBILE BROADBAND: 3G/4G WWAN (HSPA+/UMTS/EDGE/GPRS/GSM) (data and voice)

#### DEDICATED GPS

Multi-GNSS receiver,  
GPS, Glonass, Galileo and QZSS,  
Hot Start < 1Ss - Cold Start < 35s, NMEA

#### AUDIO

Digital Microphone - Front Facing  
Dual High Power Speaker - Front Facing

#### CAMERA FRONT & REAR FACING

Front - 5M Pixel auto focus  
Rear - 5M Pixel auto focus

#### CAMERA FLASH

LUXEON Flash - Rear (only on non-ATEX build)

#### BARCODE SCANNER / IMAGER

1D/2D Barcode Scanning Engine  
All 1D/2D barcode formats supported

#### OPERATING TEMPERATURE

-20°C to +55°C

#### ENVIRONMENTAL

IP65

#### SHOCK TESTING

1.5M Drop in all orientations on to concrete

#### STORAGE TEMPERATURE

-40°C to +70°C

#### ACCESSORIES

Desk Top PSU Charger and USB-C Cable  
Magnetic Guided Docking Cradle

#### APPROVALS

CE / FCC  
ATEX / IECEx II 3 G Ex ic IIC T4 Gc



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