# touchstar
## rugged mobile computers
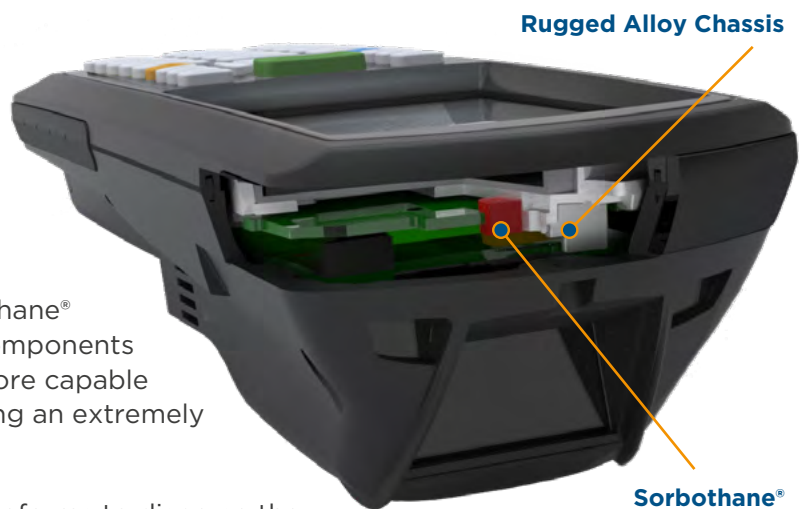
# TS8200
## Mobile Computer

# Rugged by design

The **TS8200** provides an industry leading rugged design. Integrating a metal alloy chassis with high impact polycarbonate plastics and highly durable, hard-capped keys ensure that the **TS8200** delivers real time performance and productivity in the most demanding environments.

# Sorbothane® rubber shock absorbers

The **TS8200** hand held terminal is continually subjected to shockwaves and vibration when in use within a warehouse and logistics operation. Vibration and shock can have an adverse effect on electronic components, which, in turn, can limit the useful life of a mobile terminal.

TouchStar are unique in incorporating Sorbothane® rubber into the design, isolating all internal components from external vibration. The **TS8200** is therefore capable of being used in robust environments providing an extremely reliable solution and prolonged life.

On impact, the Sorbothane® rubber material deforms to disperse the shock waves, immediately returning to its initial form to be fully operational in time for the next impact.

**Rugged Alloy Chassis**

**Sorbothane®**

# Other design features that make this TS8200 the most rugged terminal in its class:

- IP54 rating for full protection against dust, water and oil ingress

- Survives 1.5m drops on to concrete

- Operates in wide temperature extremes (-10°C to +50°C)

- Large high-resolution display with rugged capacitive touchscreen

- High impact shock absorbers

Our designers have worked hard to achieve an industry-leading rugged design to ensure that the **TS8200** withstands the most extreme environments.

# For every application

The **TS8200** is powered by the latest high-speed processor technology and the next generation in mobile operating systems – Android. Available with an array of communication options, the **TS8200** supports Wi-Fi 802.11a/b/g/n and Bluetooth 4.1 enabling users to stay connected wherever they are and whatever task they are performing.

The availability of a hot swappable battery guarantees continuous operation and reduced downtime, maximising output and increasing workload efficiency.

# Rugged and dynamic

The **TS8200** integrates feature rich functionality into a well-balanced and lightweight pistol grip design. The dynamic data collection capabilities of the high-resolution speed laser scanner and advanced imaging technology allow for both close range and extreme long-range scanning capability. Providing excellent visibility in all lighting conditions, the rugged touchscreen combines with the high-performance of the colour 5M pixel camera to provide startling productivity and efficiency gains for all supply chain scenarios.

The **TS8200** has a physical keyboard with large and clearly defined hard capped keys, making it ideal for gloved hand operation in the most demanding of data entry applications. The 6 directly accessible function keys, allow for programmable key functions to suit each and every individual requirement. An onscreen alpha character key input can be accessed via the dedicated alpha key.

Capitalising over 30 year's history within the UK manufacture and support of rugged mobile devices, TouchStar provide the long term support to guarantee seamless operation, reduced downtime and a low total cost of ownership for your hardware estate. The **TS8200** is an ideal industrial terminal for warehouse and logistics application including, but not limited to:

**Warehousing**

**Field Service**

**Vehicle Inspection**

**On-Board Retail**

**Proof of Delivery**

**Transportation**

**Manufacturing**

**Utilities**

# TS8200
## Mobile Computer

## Technical Specification

**OPERATING SYSTEM**
Android

**MOBILE COMPUTING PLATFORM**
Processor – Quad Core i.MX6, 800MHz - 1GHz

**INTERNAL STORAGE & MEMORY**
2GB LP-DDR2 RAM
16GB eMMC NAND Flash

**DISPLAY**
5" HD Colour IPS, 720 x 1280 pixels, LED Backlit,
Programmable Dimming

**TOUCHSCREEN**
High Impact Industrial Polycarbonate,
Capacitive – Multi-touch,
Glove operable, Signature capture

**EXTERNAL STORAGE**
External Micro SD Card

**I/O INTERFACE**
1 x Speaker
1 x Digital Microphone
1 x USB 2.0 OTG (Via Cradle)
1 x Docking connector (8-pin)

**POWER**
Charging via cradle
Single Lithium Ion smart Battery, 1800mAh, 13Wh
Battery replacement capable: Hot Swap
Charging time: approx 6 hours

**COMMUNICATION INTERFACE**
Wi-Fi 802.11a/b/g/n + MIMO (2.4GHz/5GHz)
Bluetooth 4.1 + BLE, with Hands Free Audio Support

**CAMERA (OPTIONAL)**
5M Pixel Autofocus, with Flash

**INTERNAL LASER SCANNER OPTIONS**
Standard Range, Long Range, Extreme Long Range, Near Far

**INTERNAL IMAGER OPTIONS**
Imager for all 1D and 2D Barcode Engines:
Extreme Long Range
Integral Aiming LED
Autofocus Technology – Read Range 6" to 50ft

**KEYBOARD INTERFACE**
Soft input panel (SIP) on screen keyboard
18 dedicated Keys: 0-9 Keys, Up, Down, Left and Right, Alpha,
On/Off, Enter, Alt, 10 Programmable Function Keys

**SOFTWARE**
Application Support Packages,
Full Range of Mobile Applications

**OPERATING TEMPERATURE**
-10˚C to +50˚C

**STORAGE TEMPERATURE**
-20˚C to +55˚C

**RELATIVE HUMIDITY**
95% (non condensing)

**SHOCK TESTING**
1.5m drop onto concrete

**ENVIRONMENTAL**
IP54

**APPROVALS**
CE / FCC

**PHYSICAL**
Dimensions – 85mm (W) x 40mm (D) x 205mm (H)
Weight – 530g (with main battery and pistol grip),
460g (with main battery, without pistol grip)
Case – Impact resistant, flame retardant
Rubber Moulded Bumpers – High impact shock absorbers
Case Material – UV stabilised polycarbonate

**ACCESSORIES**
Pistol Grip, Holster, High Durability Carry Case,
Desktop Charging and Communications Cradle,
Six Gang Battery Charger, Rubber Shock Sock

## Get in touch:

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