



# TS8000

TOUCHSCREEN MOBILE COMPUTER

# RUGGED BY DESIGN

The **TS8000** is a 'Tour de force' in both design and ingenuity, suitable for rigorous use in the most extreme conditions. The metal alloy chassis combined with high impact polycarbonate plastics and highly durable, hard-capped keys ensure that the **TS8000** provides industry leading ruggedness and reliability.

## IMPACT PROTECTION

The **TS8000** 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® into the design, eliminating these shockwaves by totally isolating components from the outer case. The **TS8000** is therefore capable of being used in robust environments providing an extremely reliable solution and prolonged life.

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



## OTHER DESIGN FEATURES THAT MAKE THIS **TS8000** THE MOST RUGGED TERMINAL IN ITS CLASS:

- IP65 rating for full protection against dust, water and oil ingress
- Survives 1.5m drops on to concrete
- Operates in wide temperature extremes (-20°C to +50°C)
- Rugged polycarbonate touchscreen
- High impact shock absorbers

Our designers have worked hard to achieve industry-leading ruggedness to ensure that the **TS8000** withstands the most extreme environments.

# FOR EVERY APPLICATION

The **TS8000** is powered by the latest high-speed processor technology. Available with an array of communication options, the **TS8000** supports Wi-Fi 802.11a/b/g/n, Bluetooth 2.1 and 3G HSPA radio, enabling users to stay connected wherever they are and whatever task they are performing.

## RUGGED AND DYNAMIC

The **TS8000** integrates feature rich functionality into a well-balanced and lightweight design providing ultimate operator comfort in scan intensive environments. The dynamic data collection capabilities of the high resolution barcode readers, high performance colour 3M pixel camera and rugged touchscreen, combine to provide startling productivity and efficiency gains for all supply chain scenarios.

The **TS8000**'s large and clearly defined 29/59 key numeric/ alphanumeric keyboard options are optimally set out, 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. On the numeric version of the **TS8000**, an onscreen alpha character key input can be accessed via the dedicated alpha key.



## PROVEN PERFORMANCE

The **TS8000** offers proven performance with the highest level of automation, it is the ideal industrial terminal for warehouse and logistics based applications including, but not limited to:



WAREHOUSING



FIELD SERVICE



VEHICLE INSPECTION



ON-BOARD RETAIL



PROOF OF DELIVERY



TRANSPORTATION



MANUFACTURING



UTILITIES

# TS8000

## TOUCHSCREEN MOBILE COMPUTER

### Technical Specification

#### 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

#### DISPLAY SPECIFICATION

3.5" QVGA Colour TFT, Anti-Glare, 240 x 320 pixels, LED Backlit,  
Direct Sunlight Readable, Programmable Dimming

#### TOUCHSCREEN

High Impact Industrial Polycarbonate,  
Resistive - Finger,  
Stylus - Glove operable, Signature capture

#### AUDIO SPECIFICATIONS

High Power Speaker, Microphone

#### PERFORMANCE SPECIFICATION

Processor - TI OMAP 800MHz - 1GHz

#### MEMORY / STORAGE SPECIFICATIONS

256MB NAND Flash - Standard - 512MB Option  
256MB Low Power DDR RAM - 512MB Option

#### COMMUNICATION AND INTERFACE PORTS

Micro SD Card (Under Battery),  
USB 2.0 OTG, SIM Card Socket, RS232

#### INTERNAL BATTERY BACKUP

Single Lithium Ion cell, 1200mAh, 4.6Wh

#### WIFI

802.11a/b/g/n (2.4GHz/5GHz)

#### GPS MODULE PERFORMANCE

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

#### 3G HSPA MODULE - MOBILE BROADBAND

HSPA+ 7.2 Mbps downlink - 5.7 Mbps Uplink

#### BLUETOOTH

Bluetooth 2.1 + EDR,  
Hands Free Audio Interface Support

#### CAMERA

3M Pixel

#### FLASH

LUXEON Flash

#### INTERNAL LASER SCANNER OPTIONS

Standard Range, Long Range, Extreme Long Range, Near Far

#### INTERNAL IMAGER OPTIONS

EX25 Imager for all 1D and 2D Barcode Engines:

- Extreme Long Range
- Integral Aiming LED
- Autofocus Technology - Read Range 6" to 50ft

#### RFID OPTIONS

LF 123KHz, HF 13.56MHz

#### KEYBOARD INTERFACE NUMERIC (29 KEYS)

0-9 Numeric Keys, Up, Down, Left and Right Navigational Keys, Scan Key, Alt, On/Off, Enter, 18 Programmable Function Keys (Direct Access)

#### KEYBOARD INTERFACE ALPHA NUMERIC (59 KEYS)

QWERTY Keyboard, 0-9 Numeric Keys, Up, Down, Left and Right Navigational Keys, Scan Key, Alt, On/Off, Enter, 18 Programmable Function Keys (Direct Access)

#### OPERATING SYSTEM

Microsoft Windows Embedded Compact 7,  
Application Support Package, Full Dialler Application,  
Bluetooth, Full Range of Mobile Applications

#### OPERATING TEMPERATURE

-20°C to +50°C

#### STORAGE TEMPERATURE

-30°C to +70°C

#### RELATIVE HUMIDITY

95% (non condensing)

#### SHOCK

1.5m drop onto concrete

#### ENVIRONMENTAL

IP65

#### APPROVALS

CE / FCC

#### ACCESSORIES

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

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