



# TS7000

VEHICLE MOUNT TERMINAL

# RUGGED BY DESIGN

The **TS7000** is a 'Tour de force' in both design and ingenuity, suitable for rigorous use in the most extreme conditions. The polycarbonate plastic alloy casing, touchscreen and sealed membrane keyboard ensure that the **TS7000** provides industry leading rugged design - and reliability.

## IMPACT PROTECTION

The **TS7000** truck mount terminal is continually subjected to shockwaves and vibration when in use within a warehouse and logistics based 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 **TS7000** 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 shockwaves laterally, immediately returning to its initial form to be fully operational in time for the next impact.

KEY COMPONENTS  
SHROUDED IN SORBOTHANE®



## OTHER DESIGN FEATURES THAT MAKE THE **TS7000** 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)
- High impact, rugged polycarbonate touch screen
- Stainless steel chassis

Our designers have worked hard to achieve industry-leading ruggedness to ensure that the **TS7000** withstands the most extreme environments.

# FOR EVERY APPLICATION

The **TS7000** is powered by the latest high-speed processor technology. Available with an array of communication options, the **TS7000** supports Wi-Fi 802.11a/b/g/n, Bluetooth 2.1 and the 3G HSPA radio, enabling users to stay connected wherever they are and whatever task they are performing.

## RUGGED AND DYNAMIC

The **TS7000** integrates feature rich functionality into an ergonomic, compact and robust design. The dynamic data collection capabilities of the high resolution barcode readers, high performance colour 3M pixel camera and rugged touch screen combine to provide startling productivity and efficiency gains for all supply chain scenarios.

The **TS7000** includes a full QWERTY keyboard with large keys, making it ideal for gloved fingers in the most demanding of data entry applications. The high resolution 7" TFT touchscreen with programmable LED backlight combines with the **TS7000**'s backlit keys to offer outstanding readability in both direct sunlight and all ambient lighting conditions.

## EASE OF ACCESS TO PORTS



## PROVEN PERFORMANCE

The **TS7000** 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:



FUEL DISTRIBUTION



TRANSPORTATION



MANUFACTURING

# TS7000

## VEHICLE MOUNT TERMINAL

### Technical Specification

#### PHYSICAL

Dimensions - 258mm (W) x 42mm (D) x 227mm (H)  
Weight - 1.6kg,  
Case - Impact resistant, flame retardant, stainless steel chassis  
Case Material - Plastic Alloy

#### DISPLAY SPECIFICATION

7", 16:9 ratio, Colour TFT, Anti-Glare, WVGA,  
800 x 480 pixels LED Backlit, Direct Sunlight Readable

#### TOUCHSCREEN

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

#### AUDIO SPECIFICATIONS

High Power Speaker

#### PERFORMANCE SPECIFICATION

Processor - TI OMAP 800MHz - 1GHz

#### MEMORY / STORAGE SPECIFICATIONS

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

#### POWER SPECIFICATION

18V-75Vdc, Lithium Ion Battery - 13.32Wh,  
Single Lithium Ion Back Up Battery - 4.6Wh

#### COMMUNICATION AND INTERFACE PORTS

Micro SD Card (Option), SD Card - SDIO (Option),  
SIMCard Socket (Option), GPRS 3G - HSPA Mobile Broadband (Option)  
External Ports: Serial Port - RS232 9 Pin D-Type,  
Ethernet 100Base-t (Option), USB Ports - 2 x Host (Option)

#### 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

#### EXTERNAL SCANNER OPTIONS

Standard Range, Long Range, High Performance,  
Wireless Scanner, 2D Imager

#### RFID

LF 123KHz, HF 13.56MHz

#### KEYBOARD INTERFACE (64 KEYS)

Alpha Numeric QWERTY Keyboard, Backlit Keypad,  
24 Function Keys, 0-9 Numeric Keys,  
Up, Down, Left, Right Navigational Keys, Alt, On/Off,  
Programmable & Enter Keys,  
Sealed Membrane - Wipe Clean/Rugged

#### 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, Withstands Vehicle Vibration

#### ENVIRONMENTAL

IP54, IP65 (Option)

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