



TS3000

MOBILE COMPUTER

RUGGED BY DESIGN

The **TS3000** is a 'Tour de force' in both design and ingenuity. Suitable for the most rigorous use in the most extreme conditions. The **TS3000** 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.

IMPACT PROTECTION

The **TS3000** is continually subjected to shockwaves either due to vibration when in the vehicle, being used as a handheld or accidentally dropped.

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 **TS3000** 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.

KEY COMPONENTS
SHROUDED IN SORBOTHANE®



OTHER DESIGN FEATURES THAT MAKE THE TS3000 THE MOST RUGGED TERMINAL IN ITS CLASS:

- IP65 rating
- Survives 1.5m drops on to concrete
- Operates in wide temperature extremes (-20°C to +50°C)
- High impact polycarbonate rugged touch screen

Our designers have worked hard to achieve industry-leading ruggedness to ensure that the **TS3000** will withstand the most extreme environments.

FOR EVERY APPLICATION

Designed to be vehicle mounted or hand held, the **TS3000** utilises an innovative quick-release mechanism allowing the user to detach it from the vehicle and switch smoothly and easily to a mobile operation.

RUGGED AND POWERFUL

The **TS3000** is powered by the latest high-speed processor technology. The powerful 3G HSPA radio and the dynamic data collection capabilities of the high resolution bar code imager, high performance colour 3M pixel camera and rugged touchscreen provide startling productivity and efficiency gains.



ANCILLARY PORT



PROVEN PERFORMANCE

Front-line personnel demand rugged, reliable mobile computing devices to successfully complete job routines, fulfil business objectives and deliver exemplary service to their customers. The **TS3000** offers proven performance in a vast number of industry settings including, but not limited to:



FUEL DISTRIBUTION



FIELD SERVICE



VEHICLE INSPECTION



ON-BOARD RETAIL



WAREHOUSING



TRANSPORTATION



MANUFACTURING



UTILITIES

TS3000

MOBILE COMPUTER

Technical Specification

PHYSICAL

Dimensions – 200mm (W) x 45mm (D) x 130mm (H)
Weight – 900g,
Case – Impact resistant, flame retardant
Case Material – UV stabilised polycarbonate
Internal Chassis – Mounted on rubber shock absorbers

DISPLAY SPECIFICATION

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

TOUCHSCREEN

High Impact Polycarbonate,
Resistive – Glove operable – Signature capture

AUDIO SPECIFICATIONS

High Power Speaker

PERFORMANCE SPECIFICATION

Processor – TI OMAP 800MHZ - 1GHZ

MEMORY / STORAGE SPECIFICATIONS

512MB NAND Flash
512MB Low Power DDR RAM

POWER SPECIFICATION

9 to 26V DC, 580mA (typical @ 12V) - 1700mA

COMMUNICATION AND INTERFACE PORTS

2 x Micro SD Card,
SD Card – SDIO, USB 2.0 OTG, SIM Card Socket

INTERNAL BATTERY BACKUP

Single Lithium Ion cell, 1200mAh, 4.6Wh

REMOVABLE RECHARGEABLE BATTERY

Main Battery Removable 7.4V 4200mAh, 31Wh

CRADLE INTERFACE

USB 2.0 Host, RS232 - 9pin (TX, RX, CTS, RTS, DTR, DSR, CD, RI),
CAN Bus, Ethernet 10/100Base-T, Microphone input,
Speaker/Headset output, HSPA connector for external antenna
(switched), GPS connector for external antenna (switched),
Cradle Charge Detect, Power Input 10.25V

WIFI

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

GPS MODULE PERFORMANCE

Multi-GNSS receiver, GPS, Glonass, Galileo, QZSS,
Hot Start < 1Ss - 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

REAR CAMERA

3M Pixel

FLASH

LUXEON Flash

EXPANSION PORT

Additional RS232 RX, TX, RTS, CTS

SCANNER/IMAGER OPTIONS

Imager 1D - 2D

OPERATING SYSTEM

Microsoft Windows Embedded Compact 7,
Application Support Package, Full Dialler Application – Bluetooth,
Full Range of Mobile Applications,
Android 5.0 Lollipop

OPERATING TEMPERATURE

-20°C to +50°C

STORAGE TEMPERATURE

-30°C to +70°C

SHOCK

1.5m drop onto concrete

ENVIRONMENTAL

IP65

APPROVALS

CE / FCC

ACCESSORIES

4 Gang Battery Charger, In-Vehicle Cradle & Cable assemblies,
Expansion Hub & Cable assemblies, Smart Hub & Cable assemblies

ATEX / IECEx



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