TS7100

VEHICLE MOUNT TERMINAL

RUGGED BY DESIGN

The **TS7100** 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 **TS7100** provides industry leading rugged design – and reliability.

IMPACT PROTECTION

The **TS7100** 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 **TS7100** 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 **TS7100** 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 (-20°C to +50°C)

- High impact, rugged polycarbonate touchscreen

- Stainless steel chassis

Our designers have worked hard to achieve industry-leading ruggedness to ensure that the **TS7100** withstands the most extreme environments.

FOR EVERY APPLICATION

The **TS7100** is powered by the latest high-speed processor technology. Available with an array of communication options, the **TS7100** 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 **TS7100** integrates feature rich functionality into an ergonomic, compact and robust design. The dynamic data collection capabilities of the high resolution barcode readers and rugged touchscreen combine to provide startling productivity and efficiency gains for all supply chain scenarios.

The **TS7100** 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 display with programmable LED backlight combines with the **TS7100**'s high definition keys to offer outstanding readability in both direct sunlight and all ambient lighting conditions.

EASE OF ACCESS TO PORTS

PROVEN PERFORMANCE

The **TS7100** 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

TRANSPORTATION

MANUFACTURING

TS7100
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 – Freescale iMX6 800MHz - 1GHz

MEMORY / STORAGE SPECIFICATIONS
32GB eNAND Flash Standard – 64GB Option
2GB Low Power DDR2 RAM

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 4.0 + EDR, Hands Free Audio Interface Support

EXTERNAL SCANNNER OPTIONS
Standard Range, Long Range, High Performance,
Wireless Scanner, 2D Imager

EXTERNAL RFID OPTIONS
LF 123KHz, HF 13.56MHz

KEYBOARD INTERFACE (64 KEYS)
Sealed Membrane – Wipe Clean/Rugged
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

OPERATING SYSTEM
Android Marshmallow 6

OPERATING TEMPERATURE
-20˚C to +50˚C

STORAGE TEMPERATURE
-30˚C to +70˚C

RELATIVE HUMIDITY
95% (non condensing)

SHOCK
1.5m drop on to concrete, Withstands Vehicle Vibration

ENVIRONMENTAL
IP54, IP65 (Option)