

KEY FEATURES

Advanced handheld field computer for exceptional versatility, efficiency, and freedom

Microsoft Windows Mobile for Pocket PC operating system

Highest flexibility for optical and GPS surveying

Wireless operations in both the field and office



COMBINE FIELD AND OFFICE IN ONE POWERFUL HANDHELD COMPUTER

The Trimble® TSC2™ Controller is an advanced handheld computer especially designed for Trimble optical and GPS surveying systems¹. With the Microsoft® Windows Mobile™ software for Pocket PC operating system, the TSC2 controller runs your choice of powerful Trimble field software². Add specialized Pocket PC applications to the standard Microsoft Pocket Messaging (Outlook), Internet Explorer, Word, and Excel programs, and the TSC2 controller becomes a powerhouse of field and office functions on one rugged business device.

SMART, EXPANDABLE HARDWARE

Every innovative feature on the TSC2 controller is designed to make your job easier. Clearly view background maps and check work on the vibrant color graphic display for greater data control and confidence. Use the full alphanumeric keyboard, or quickly select software options using the touch screen.

The unique TSC2 controller changeable cap enables the use of removable memory or third-party media, such as GPRS, GPS, camera, and product scanner functions. Extend your data logging capabilities and experience a major leap in productivity.

INDUSTRY-LEADING COMMUNICATION TECHNOLOGIES

Eliminate cable hassles and expedite setup with integrated Bluetooth® wireless technology. When the TSC2 controller is used with a Trimble R8 or 5800 GPS system, the rover is 100% cable free for unsurpassed convenience and ease of use. The internal 2.4 GHz radio option is ideal for use with a robotic system such as the Trimble S6 total station.

Using the expandable media function, a GSM/GPRS modem can add full wireless communication to the Internet in the field.

Transfer data in your office over a wireless 802.11 LAN—again, no cables are required. You can also use hotspots to quickly and securely share data with your office from remote locations.

FLEXIBLE COMMUNICATION OPTIONS

Choose the method of data transfer that suits your situation. Using an external modem such as a cell phone with Bluetooth, send and receive files over the Internet from the field: you don't need to drive back to the office. In the office, internal 802.11 technology provides wireless connection to your network. The TSC2 controller also provides USB and serial RS232 communication options; data can be transferred to a PC or another TSC2 controller using a cable, Bluetooth, CompactFlash, or Secure Digital memory card media.

BUILT FOR THE FIELD FOR ANY CONDITIONS

The TSC2 controller is rugged enough for any job in any weather. It holds an environmental rating of IP67 and operates in extreme temperatures of -30 °C to +60 °C (-22 °F to +140 °F). It can also withstand a pole drop of 1.22 m (4.0 ft) onto a hard surface³. The display is illuminated, so you can finish any job fast even in low lighting. The TSC2 controller receives power from an ultra-long-life lithium-ion battery that gives up to 30 hours⁴ of power.

ONE CONTROLLER, ONE SOFTWARE, ONE INTERFACE

The TSC2 controller is central to Integrated Surveying™ from Trimble. With an application such as the Trimble Survey Controller™ software onboard, collect and manage both GPS and optical data in one Job file simply by switching the TSC2 controller between sensors. Standardize on one flexible controller for maximized investment. And your survey team only needs to know one interface. When field work is complete, simply transfer the Job file to your office using the communication method that suits your needs.

¹ The TSC2 controller is designed to support Trimble's latest surveying systems, including the Trimble S6 Total Station and Trimble R8 GPS system.

² The TSC2 controller runs the Trimble Survey Controller software. In addition, a number of regional solutions are available. For more information, please contact your local Trimble authorized distribution partner.

³ 26 drops of 1.22 m (4.0 ft) onto a hard surface.

⁴ Under normal operating conditions: no backlight, moderate temperature, no high power-consumption CF cards.

TRIMBLE TSC2 CONTROLLER

TECHNICAL SPECIFICATIONS

STANDARD SOFTWARE

Microsoft Windows Mobile for Pocket PC programs including:

- Pocket Internet Explorer
- File Explorer
- Pocket Word
- Pocket Excel
- Pocket Messaging (Outlook e-mail)
- Windows Media® Player
- Microsoft ActiveSync® technology
- Microsoft Transcriber (handwriting recognition)
- Pictures, Calendar, Contacts, Tasks and Notes
- Online help

HARDWARE

Physical

Size 266 mm x 131 mm x 48 mm (10.5 in x 5.2 in x 1.9 in);
76 mm (3.0 in) at handgrip

Weight 0.95 kg (2.1 lb) including battery;
1.09 kg (2.4 lb) including battery and
optional internal radio

Memory 128 MB SDRAM, 512 MB internal
non-volatile storage memory

Expandable Memory CompactFlash (CF) card
Secure Digital (SD) card

Processor 520 MHz Intel® PXA 270 XScale CPU

Wireless Integrated Wireless LAN 802.11b

Power Li-Ion rechargeable pack, 6600 mAh, battery life
of 30 hours under normal operating conditions⁵.
Fast charge to 80% in 2 hours; full charge in 4.5 hours.
Battery charge status LED indicator.

Software The Trimble TSC2 controller runs the
Trimble Survey Controller field software. In addition, a number of
regional solutions are available. For more information on the field
software that's best for you, contact your local
Trimble authorized distribution partner.

CERTIFICATION

Class B Part 15 FCC certification, CE Mark approval and C-tick approval.
Bluetooth type approvals and regulations are country specific.

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ENVIRONMENTAL

Temperature

Operating Temperature -30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Humidity 100% condensing, MIL-STD-810F, Method 507.4
Sand & Dust Protection against wind-driven according
to MIL-STD-810F, and IP6X

Water Waterproof IPX7
Drops26 drops from 1.22 m (4.0 ft) onto hard surface
Vibration MIL-STD-810F, Method 514.5, Procedure I, Fig. 17 & 18
Altitude MIL-STD-810F, Method 500.4, Procedures I, II & III,
4572 m (15,000 ft) at +23 °C (+73 °F)

INTERFACE

Display Color, illuminated TFT, daylight-readable touch screen
displayed at 320 x 240 pixels
(QVGA), backlight illuminated display.

Keyboard 53 key alphanumeric keypad, 8-position spider key

Audio Integrated speaker and microphone for audio
system events, warnings and notifications.

Operating system Microsoft Windows Mobile 2003
Second Edition for Pocket PC

INPUT/ OUTPUT

Ports RS232 9-pin serial port
USB Client
DC Power Port

Expansion 1 x Type I CompactFlash (CF) slot
1 x Type II CompactFlash (CF) slot
1 x Secure Data (SD) memory card slot

Radio-modem (optional) Internal 2.4 GHz frequency-hopping
spread-spectrum radio-modem

RECYCLING INFORMATION

For product recycling instructions and more information, please go to
www.trimble.com/environment/summary.html.



5. No backlight, moderate temperature, no high power-consumption CompactFlash cards.
Specifications subject to change without notice



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