



### KEY FEATURES

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

Microsoft Windows Mobile operating system 5.0 software

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 systems<sup>1</sup>. With the Microsoft® Windows Mobile™ 5.0 software operating system, the TSC2 controller runs your choice of powerful Trimble field software<sup>2</sup>. Add specialized applications to the standard Microsoft Outlook Mobile, Excel Mobile, Word Mobile, Power Point Mobile and Internet Explorer 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 surface<sup>3</sup>. 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 hours<sup>4</sup> 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.

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

<sup>2</sup> 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.

<sup>3</sup> 26 drops of 1.22 m (4.0 ft) onto a hard surface.

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

# TRIMBLE TSC2 CONTROLLER

## TECHNICAL SPECIFICATIONS

### STANDARD SOFTWARE

Microsoft Windows Mobile 5.0 software programs including:

- Internet Explorer
- File Explorer
- Word Mobile
- Power Point Mobile
- Excel Mobile
- Outlook Mobile
- Windows Media® Player Mobile
- Microsoft ActiveSync® technology
- Microsoft Transcriber (handwriting recognition)
- Pictures, Picture&Videos, 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 conditions<sup>5</sup>.

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  
Drops . . . . . .26 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 5.0

### INPUT/ OUTPUT

Ports . . . . . RS232 9-pin serial port  
USB Client  
USB Host  
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

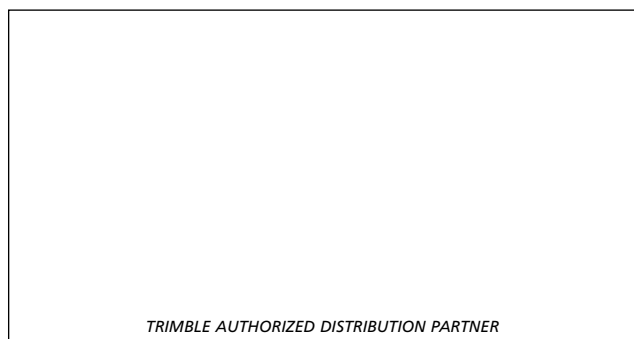
### RECYCLING INFORMATION

For product recycling instructions and more information, please go to  
[www.trimble.com/environment/summary.html](http://www.trimble.com/environment/summary.html).



5. No backlight, moderate temperature, no high power-consumption  
CompactFlash cards.

Specifications subject to change without notice



TRIMBLE AUTHORIZED DISTRIBUTION PARTNER

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