



KEY FEATURES

Designed for optical and GPS surveying

Advanced features for exceptional convenience, efficiency, and ease of use

Rugged specifications for superior performance and reliability

Your choice of powerful Trimble field software

The original Integrated Surveying™ system

AN INNOVATIVE WINDOWS CE .NET DEVICE

The Trimble® CU controller is an advanced detachable control unit especially designed for Trimble optical and GPS surveying systems¹. On its Microsoft® Windows® CE.Net operating system, the Trimble CU controller runs your choice of powerful Trimble field software², plus other specialized Windows software as needed.

SMART HARDWARE

Every innovative feature on the Trimble CU controller is designed to make your job easier. Clearly view background maps and check work on the color graphic display for greater data control and confidence. Access frequent functions via dedicated instrument control keys. Quickly select software options using the touch screen.

INTEGRATED BLUETOOTH WIRELESS TECHNOLOGY

Eliminate the hassle of cables and expedite setup with integrated Bluetooth® wireless technology. When the Trimble CU controller is used on a Trimble R8 or Trimble S6 rover, the system is 100% cable free for unsurpassed convenience and ease of use.

FLEXIBLE COMMUNICATION OPTIONS

Choose the method of data transfer that suits your situation. Using an external modem such as a cellphone with Bluetooth, you can send and receive files over the Internet while in the field: you don't need to drive back to the office. When in the office, the Trimble CU docking station provides fast data transfer to your computer.

The Trimble CU also provides USB and serial communication options.

Data can be transferred to a PC or another Trimble CU using a cable, Bluetooth, a CompactFlash Card reader, or a USB memory device.

BUILT FOR THE FIELD WHATEVER THE CONDITIONS

The Trimble CU controller is rugged enough for any job in any weather. It holds an environmental rating of IP55 and operates in extreme temperatures of -30 °C to +55 °C (-22 °F to +131 °F). It can also withstand a pole drop of 1.0 m (3.3 ft) onto a hard surface. The display and keyboard are illuminated, so you can finish any job fast even in low lighting.

The Trimble CU controller receives power from the optical instrument or the especially designed holder, which attaches to a robotic or GPS rover pole.

ONE CONTROLLER, ONE SOFTWARE, ONE INTERFACE, ONE JOB FILE

The Trimble CU controller is central to Integrated Surveying from Trimble. With software such as the Trimble Survey Controller™ software onboard, collect GPS and optical data in one Job file simply by switching the Trimble CU 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. A surveyor's work flow has never been easier.



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

² The Trimble CU controller runs the Trimble Survey Controller software. In addition, a number of regional solutions are available. For more information on the field software that's best for you, talk to your local Trimble authorized distribution partner.

TRIMBLE CU CONTROLLER

TECHNICAL SPECIFICATONS

- Microsoft Windows Explorer
- Pocket Internet explorer
- Inbox e-mail client
- Microsoft WordPad
- Transcriber (handwriting recognition)
- Microsoft Windows Media Player
- Microsoft ActiveSync
- Connect to Desktop
- File transfer (Remote)
- File viewers for Microsoft Image and Word

USER INTERFACES, SOFTWARE AND RECORDING

Trimble CU Controller

Attachable The Trimble CU can be attached to the Trimble S6 Total Station, Robotic holder, GPS holder, or docking station

Physical

Size 196 mm × 110 mm × 30 mm (7.7 in × 4.3 in × 1.2 in)
Weight 0.4 kg (0.88 lb)
Memory 64 MB SDRAM, 256 MB internal non-volatile storage memory
Processor 400 MHz Intel® PXA 255 ARM-Xscale CPU

Software

The Trimble CU controller runs the Trimble Survey Controller software. In addition, a number of regional solutions are available. For more information on the field software that's best for you, talk to your 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.

ENVIRONMENTAL

Temperature

Operating temperature -30 °C to +55 °C (-22 °F to +131 °F)
Storage temperature -40 °C to +70 °C (-40 °F to +158 °F)
Humidity 100% condensing MIL-STD-810F
Sand and dust Protection against wind-driven according to MIL-STD-810F, and IP5X

Water IPX5
Drops5 drops from 1.0 m (3.3 ft) onto hard surface

Power

Internal Power back-up suspend mode to preserve files
External External power input from the Trimble S6 Total Station, Robotic holder, GPS holder, or docking station

Interface

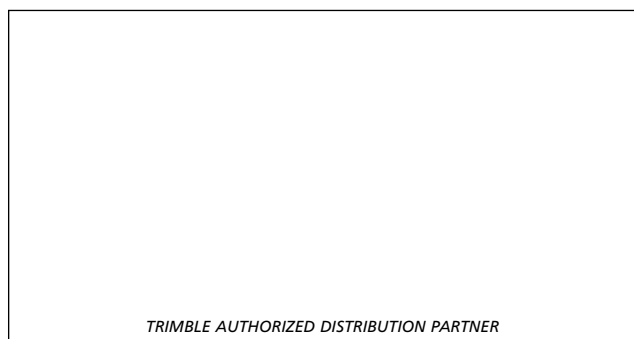
Display Color, illuminated TFT, daylight readable touch screen reflective color TFT- LCD; displayed at 320 × 240 pixels (QVGA) CCFL frontlight illuminated display
Keyboard 19-key alpha-numeric + 4-way arrow key, dedicated navigation and instrument control keys
Audio Integrated speaker for audio systems events, warnings and notifications
Operating system Microsoft Windows CE.Net

INPUT/OUTPUT

Data communication through Robotic holder, GPS holder or docking station USB, RS-232 and Bluetooth
External removable memory USB memory device or CompactFlash card reader (optional)

Specifications subject to change without notice.

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TRIMBLE AUTHORIZED DISTRIBUTION PARTNER

NORTH AMERICA

Trimble Engineering & Construction Group
5475 Kellenburger Road
Dayton, Ohio 45424-1099 • USA
800-538-7800 (Toll Free)
+1-937-245-5154 Phone
+1-937-233-9441 Fax

EUROPE

Trimble GmbH
Am Prime Parc 11
65479 Raunheim • GERMANY
+49-6142-2100-0 Phone
+49-6142-2100-550 Fax

ASIA-PACIFIC

Trimble Navigation Singapore Pty Limited
80 Marine Parade Road
#22-06, Parkway Parade
Singapore 449269 • SINGAPORE
+65-6348-2212 Phone
+65-6348-2232 Fax



www.trimble.com