

# trimble Cu Controller

## Key Features

Optimized for Trimble®  
Access® field software

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

Rugged specifications for  
reliable daily performance

The original Integrated  
Surveying™ system

## An innovative Windows CE .net device

Keep both hands free while behind the instrument.

The Trimble CU controller is the attachable control unit designed to combine Trimble optical and GNSS surveying systems. On its Windows® Embedded CE 6.0 R3 operating system, the Trimble CU controller runs your choice of powerful Trimble field software plus other specialized Windows software as needed.

## smart hardware

View background maps and check work on the color graphic display for greater data control and confidence. The 1 GB of memory lets you take all your base data (point lists, background maps) into the field.

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 an instrument such as the Trimble R6 rover, the system is 100% cable free for speed, 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, 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 is 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 rover pole.

## one Controller, one software, one interface, one Job File

The Trimble CU controller is central to Integrated Surveying solutions. With Trimble Access on board you can collect GNSS and optical data in one Job file by simply switching between sensors. Standardize on one flexible controller and 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 R8 GNSS system, Trimble S6 Total Station, Trimble S8 Total Station, and Trimble VX Spatial Station.  
2 The Trimble CU controller runs the Trimble Survey Controller™ software or Trimble Access 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.

## technical specifications

- Windows Embedded CE 6.0 R3 OS
- Windows Explorer
- Internet Explorer
- TrmbPad Text Editor
- File transfer
- Image Viewer
- Microsoft ActiveSyn®

## UseR inteRfaces, softWaRe and RecoRDinG

### trimble cU controller

#### Attachable

Direct ..... The Trimble CU can be attached to the Trimble S6 Total Station, Trimble S8 Total Station, Trimble VX Spatial Station, Robotic holder, GPS holder, or docking station

#### physical

Size ..... 176 mm × 110 mm × 30 mm (6.9 in × 4.3 in × 1.2 in)  
 Weight ..... 0.4 kg (0.88 lb)  
 Memory ..... 128 MB SDRAM, 1 GB internal non-volatile storage memory  
 Processor ..... 624 MHz Marvell ARM920T-PXA300 CPU

#### software

The Trimble CU controller runs the Trimble Survey Controller or Trimble Access 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.

## 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  
 Drops ..... 5 drops from 1.0 m (3.3 ft) onto hard surface

### power

Internal ..... Power back-up suspend mode to preserve files  
 External  
 Direct ..... Trimble S6 Total Station, Trimble S8 Total Station, Trimble VX Spatial 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) LED frontlight illuminated display  
 Keyboard ..... 19 keys (alpha-numeric and dedicated navigation and instrument control keys) + 4-way arrow key  
 Audio ..... Integrated speaker for audio systems events, warnings and notifications  
 Operating system ..... Windows Embedded CE 6.0 R3

## inpUt/oUtpUt

Data communication through Robotic holder, GPS holder or docking station ..... USB, RS-232 and Bluetooth  
 External removable memory ..... USB memory device

## 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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Specifications subject to change without notice.

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