



FC-500
RUGGEDIZED
FIELD CONTROLLER





A Hand-Held with Maximum Processing Power

- 4.3 in. sunlight readable display
- MIL-STD 810G and IP68 certified
- 1 GHz processor
- 5 megapixel integrated camera (optional)
- Internal 3.5G cellular modem (optional)
- Internal GPS with 1-5 meter accuracy (optional)

The Topcon FC-500 field controller is designed for the construction, mapping and survey professional and is ideal for MAGNET® Field or Pocket 3D software solutions, getting the most out of all Topcon GNSS receivers and optical total stations. The FC-500 has an optional 3.5G cellular modem to instantly connect to MAGNET Enterprise and Sitelink3D™ secure services for sending and receiving data files from active jobsites.

With a capacitive touchscreen, similar to many of the smartphones used every day, the display surface is also extremely scratch-resistant and much more pierce resistant to sharp objects compared with displays in other products.

With the FC-500's internal "intelligent" batteries, there is no worry of ever overcharging. Typical battery life is tested to up to 20 hours with excellent performance under extreme conditions. Recharging is fast and achieves a 50 percent charge in as little as an hour.

The FC-500's external ports are located at the base of the unit: USB Host, USB client micro, power, and audio. The USB Host A is used in the field to quickly copy a large job, coordinate or DXF file to the FC-500. The DB9 serial port is perfect for older total stations that still require a cable.

Sunlight readable display

The FC-500 features a 4.3 in. display designed for viewing in direct sunlight. The display uses a one-touch interface that is optically bonded to increase visibility.



Production from any angle

With a single key touch, the user can change the orientation of the screen from portrait to landscape to increase visibility when viewing maps or 3D drawings.



Large 4.3 in. sunlight readable display

1 GHz processor
512 MB RAM
8 GB flash storage

MIL-STD 810G
IP68 certified

USB host (full Type A)
USB client (micro port)
9-pin serial port



Optional Built-in
5 megapixel camera

3.5G cellular module (optional)
Internal GPS

Built-in *Bluetooth*[®]
Wi-Fi connectivity

6 control buttons
4-way directional arrow key

Hardware	
Processor	1 GHz ARM Cortex A8 i.MX53
Operating System	Microsoft® Windows Mobile 6.5
Memory and Data Storage	512 MB RAM 8 GB flash storage Micro-USB
Camera (Geo, Geo 3G)	5 megapixel resolution with autofocus and LED flash with video capture
Power	12/24V DC power input Intelligent Li-Ion battery 3.6V DC at 10600 mAh
Communication	
Ports	COM1 RS-232C (D-sub 9pin) 5V DC Power USB Host (Full A) USB Client (Micro)
Wireless Connection	Bluetooth® Wi-Fi 802.11 b/g/n
Cellular Connectivity (Geo 3G only)	Integrated Worldwide, 800/850, 900, 1800, 1900, 2100 MHz, UMTS/HSPA+

Kit components

- FC-500
- Battery and charger
- International plug kit
- USB cable
- Quick start guide
- Hand strap
- Screwdriver
- Stylus



Built to survive

In addition to IP68 certification, which protects against dust and allows the unit to be waterproof up to one meter, the FC-500 is independently certified to MIL-STD 810G standard, and can operate in temperatures from -30°C to 60°C.

Processing power for production

Windows Mobile® 6.5 operating system provides a modern operating environment and added expandability with other software applications. The 1 GHz processor drives any Topcon field application software with ease.

Image and imagine

A 5 MP auto focus camera with LED flash comes as standard equipment. Quickly aim and capture unlimited photos to then associate within either MAGNET Field or Pocket 3D software. These informative photo notes are available “downstream” for office staff and managers.

Jobsite data transfer

The optional internal cellular modem instantly enables a direct connection to or from your active project site. Connect to either MAGNET Enterprise or Sitelink3D services for complete and customized project management.



For more information:
topconpositioning.com/fc-500

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