

RUGGED, ALPHANUMERIC FIELD CONTROLLER



A full-featured ruggedized, handheld field controller with built-in 5 megapixel camera.

- 624 MHz XScale processor
- 5 MPixel camera and bar code reader
- 256 MB RAM, 2 GB ROM
- Built-in wireless Bluetooth® and WiFi connectivity
- Optional robotic radio

It's time.

624 MHz XScale processor

The fast 624 MHz processor leads in performance and reliability. Allows fast operation of TopSURV and Storage of all your data

Built-in 5 megapixel camera

A full 5 megapixel camera for image recording of measured points or the surroundings. Positioned below the controller where the surveyor needs it. The camera has an auto-focus function and a flash illumination.

Extra Memory

The FC-2500 is loaded with all the memory you should need. Primary program ram is 256 MB. In addition, it includes 2 GB Flash storage memory.

Bluetooth and WiFi

Bluetooth and WiFi come standard. No need for upgrades or CF cards. These options can be switched off when not needed to extend the battery run time. With Topcon's other advanced products having wifi functionality this feature will be an important part of future systems. In addition you can use your device in a typical Hotspot to surf the web, check weather, e-mail files back to the office, etc.

Bar Code Reader

The digital camera doubles as a bar code reader. Laser pointers identify the bar code and scan that information directly into the text field. There are many applications including: material delivered to site can be Geo-located

Windows CE 5.0

This operating platform is the most stable in today's platform offerings. Simple and familiar functionality leads to fast learning curves. It also allows higher resolution images to be processed.

The FC-2500, the most powerful field controller available



FC-2500 Add-on robotic radio design

The FC-2500 is multifunctional, either use standard model for GPS and Total Station operation or add the Optional RS-1 radio unit for Robotic control.



Alphanumeric Keyboard

A 55 key alphanumeric keyboard plus joystick unit that can control the Robotic systems. The preferred option for land surveyors.



USB Flash Drive

Use the USB mini port as both a Host and Client. This functionality allows for expanded memory and easy file transfer through USB flash drives or ActiveSync connection. This design also provides rugged protection. The FC-2500 can not be compromised by opening a card door or flap. The entire unit is sealed and submersible.



Removable, hot swappable battery packs

With two NiMH batteries loaded standard with 2500mAh each, battery performance can be as high as 50 hours. The typical power drain from a Bluetooth connection to a GPS receiver will run for 24 hours. No need to worry about overcharging, the FC-2500 has internal temperature monitors to prevent any unexpected high temperature issues.

Waterproof and rugged

The FC-2500 is rated at IP-67, which means it can be submersed in water. The unit also has a 1,2m drop proof rating.



Rugged by design!

A full-featured keyboard, ruggedized, handheld field controller packed with memory and built-in 5 megapixel camera.



- 1** Robotic System RS-1 Radio
- 2** Camera Flash
- 3** 5MP Camera
- 4** 2 Topcon Batteries
- 5** Hot Swappable Battery

- 6** Bright Touch Screen
- 7** Speaker
- 8** Camera Button
- 9** Bar Code Button
- 10** 8-Way Arrow Key

- 11** Hard Keys
- 12** Special Characters
- 13** Microphone
- 14** USB Host/Client
- 15** Standard Topcon Charger

- 16** Topcon Stylus
- 17** Standard 9- Pin
- 18** Rubber Doors Cover Ports

Alphanumeric, Ruggedized Design

The FC-2500 offers crisp bright colour touch screen operation with full keyboard control. The ultimate in field controllers



5 MP Camera

Capture Reality in yet another device from Topcon. Topcon understands that a picture is worth more than a thousand words. This highly advanced camera can be used to associate photos with stored TopSurv points as Photo Notes.



It's time.

The Leader in Positioning Technology ...

Your authorized Topcon dealer has the answer for all of your precise positioning needs. Whether you're looking for precision GPS+ control for surveying and engineering applications or setout and grade management on a construction job site, your local Topcon dealer offers the widest range of products to get the job done quickly and accurately.

And don't forget, Topcon also offers the industry's easiest-to-use GPS+ machine control systems. Capable of working as an indicate-only system or fully automatic grade control, Topcon offers systems to automate your motorgrader, paver, profiler, dozer, excavator, or ag/land leveling machines.



There's only one company that offers you all of the positioning tools to keep you competitive in today's market.

The Leader in Customer Satisfaction ...

To ensure that your Topcon system maintains peak performance, your local Topcon partner offers factory trained and certified service technicians.

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SPECIFICATIONS

FC-2500

Microprocessor	XScale PXA 270
Processor Speed	624 MHz
Operating System	CE.NET 5.0
Memory	256MB SDRAM / 2 GB System Flash
Display	
Display Resolution	320 x 240 QVGA
Type	3.5 in. TFT Color LCD
Light	LED Back Light
Touch Panel	Analog Resistive Film
Key-Board	55 Keys (Power Key Included)
LED	6 LED Indicators
Interface	RS-232C (D-Sub 9pin) / Mini USB 2.0 A/B / USB OTG Host and Client
Radio	Optional RS-1 Radio
Bluetooth wireless technology	Bluetooth 1.2 Class II
External Power	12-18 VDC (36Watts)
Audio	Integrated Speaker and Microphone
WiFi	802.11 b/g
Water/Dust Resistance	IP67
Operating Temperature	-20°C to +50°C
Storage Temperature	-20°C to +60°C
Shock Resistance	1,2 m all faces, per MIL-STD 810F Method 516.5IV
Operating Time	Approx. 42 hours (Typical)
Charging Time	Approx. 3 hours
Dual Batteries	Hot-swappable, Li-ion Rechargeable, Smart battery System
Dimensions	10.85in x 5.34in x 2.19in
Screen Dimensions	2.89 in. x 2.19 in.
Weight	1,07 Kg with dual batteries
RoHS Compliant	Yes

CAMERA SPECIFICATIONS: Rugged True-Camera-System

5.17 megapixel color CMOS Sensor	5.17 mega pixel (4MP Processed) Auto-focus, Shutter, Aperture and Illumination
Image Capture Resolutions	QSXGA: 2048 x 1944, SXGA: 1280 x 960 VGA: 640 x 480, HF: 320 x 200
Regulatory	FCC Part 15 • CE • IC • RoHS Compliant • WEEE • C-tick

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