ST100
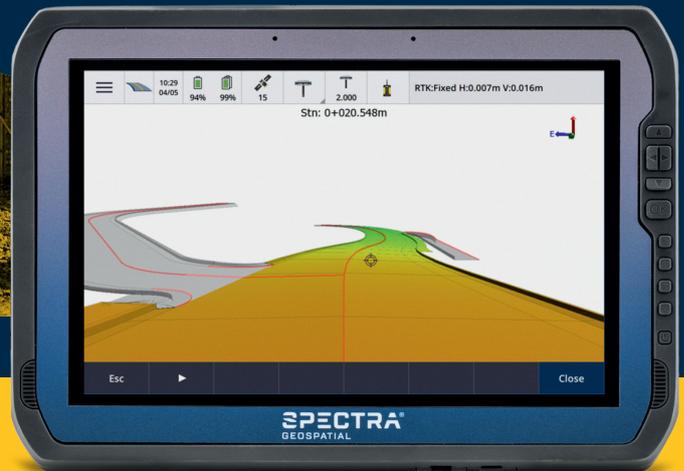
Trusted, fully featured Windows® 10 platform, completely familiar for ease of operation.

Powerfull processing, long life battery and large memory: All day use, no concerns over data storage or performance.

Large, bright, all-weather display: All conditions, no compromise.

Rugged design: Focus on efficiently performing the job.

ST100 tablet, Wherever the work takes you.

The Spectra Geospatial® ST100 is a hard working, no-nonsense tablet with a slim, rugged design and powerful features to handle any job. Whether your day includes a simple GIS workflow or a survey in a tough location, this reliable, versatile tool is up to the task.

The easy to read, scratch resistant touchscreen display, including LED backlight is a dependable high-performer in any environment. The ST100 is reliable and easy to operate. With a fully featured Windows® 10 platform, exceptional processing power, long battery life, 512 GB solid state drive and 16 GB SDRAM memory, you can work quickly and efficiently, without stopping for a recharge. And when the day is done, you can send your work to the office via 4G LTE , Wi-fi or Bluetooth® connection.

ST100, for the all-day performance you need – whatever the task.

SPECTRA
GEOSPATIAL®

www.spectrageospatial.com

STANDARD FEATURES

System
- Intel® Core™ i5 Processor
- Intel HD Graphics 620
- 16 GB RAM[1]
- 512 GB Storage[2]
- 10.1" 800 nits 1920 x 1200 (16:10) LED-backlight screen with capacitive multi-touch
- EMR Pen support
- 8 Megapixel camera with LED Flash
- Wi-Fi 802.11ac
- Bluetooth® v 5.1
- 4G LTE WWAN EM7565
- Internal battery 92Wh non removable
- Integrated speaker and microphone
- IP65 Dust and Moisture Ingress Protection

Operating System
- Microsoft® Windows® 10 Professional

Communications
- 4G LTE worldwide coverage, certified on Verizon and AT&T
- Wi-Fi 802.11ac
- Bluetooth v 5.1
- USB 3.1 Type C x 2
- Supports USB C DisplayPort Alt Mode

Standard Accessories
- Wacom Digitizer for EMR Pen Support
- AC-DC power adapter with power cord
- Screen protector
- USBA to USB C adapter

Optional Accessories
- EMR Stylus and replacement tips and removal tool
- Handstrap
- Vehicle Power Supply
- Office stand
- Pole mount (Short and long versions)

TECHNICAL SPECIFICATIONS

Physical
- Size
  – 279 mm x 200 mm x 18.5 mm (11 in x 7.9 in x 0.7 in)
- Weight
  – 1.65 kg (3.6 lbs.)
- Processor
  – Intel® Core™ i5
- Memory
  – 16 GB SDRAM
- Storage
  – 512 GB SSD
- User Interface
  – Power button, directional pad, programmable function keys
  – Power / Battery Status LED, On screen keyboard
- Battery
  – 92Wh internal non removable
- Battery life
  – 10 hours @ 20° C with GPS on
- Charging time
  – 1:15 to 50% 3 hours to 100%[3]

Environmental
- Operating temperature
  – –20 C to +55 C (-4 F to 131 F)
  – MIL STD 810H Method 501.7, 502.7 Procedure II
- Storage
  – - 40 C to +70 C (-40 F to 158 F)
  – MIL STD 810H Method 501.7, 502.7 Procedure I
- Thermal Shock
  – - 20 C and 60 C non-operating
  – MIL STD 810H Method 503.7 Procedure I-C
- Humidity
  – 0% - 95% non-condensing
  – MIL STD 810H Method 507.6 Procedure II - Aggravated Cycle
- Water & Dust Proof
  – IEC 60629 Edition 2 – IP65
- Vibration/Shock Resistance
  – MIL STD 810H Method 514.8 Procedure I - Random Vibration
  – MIL STD 810H Method 514.8 Procedure II - Loose Cargo Transportation
- Drop
  – Tests include room temperature, -20 C, +60 C
  – MIL STD 810H Method 516.8 Procedure IV - Transit Drop
- Chemical Exposure - Contamination by Fluids
  – MIL STD 810H Method 504.3 Procedure II
- Non Operating Altitude
  – -30 C and 40,000 Feet
  – MIL STD 810H Method 500.6 Procedure I
- Operating Altitude
  – 5 C and 30,000 Feet
  – MIL STD 810H Method 500.6 Procedure II

Input/Output
- Display
  – LED backlight, scratch-resistant, auto rotate
- Size
  – 10.1" capacitive multi-touch with EMR
- Resolution
  – 1920x1200 px
- Brightness
  – 800 nits
- Audio
  – Built-in microphone and speaker
- I/O
  – USB 3.1 type c x 2
- AC / DC Adapter
  – AC 100~240 V, 50~60 Hz, DC 5 V, 9 V, 15 V, 20 V, 65 W
  – USB C PD 65W
- Digital camera (rear facing)
  – 8MP with auto-focus
- Sensors
  – E-Compass, Accelerometer,, gyroscope, ambient light sensor, proximity sensor
  – 2x Trimble EMPOWER Module Bays

GNSS
- Internal antenna: Beidou, Galileo, GLONASS, GPS L1 C/A, QZSS

1. 1 GB = 1,000,000,000 bytes.
2. Total usable memory will be less depending upon actual system configuration.
3. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other settings or preferences.

Caution: Do not expose bare skin to this product when handling this unit in extreme hot or cold environments. Do not charge batteries in extreme hot environments.

Product Models	ST100 (Wi-Fi)	ST100 (4G LTE)
WLAN (Wi-Fi)	Yes	Yes
4G Data	No	Yes
Memory Storage (SSD)	512 GB	512 GB
GNSS	Included	Included

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