

# T41™ Data Collector

Provided by Xpert Survey Equipment  
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## FEATURES

- Processor: 1 GHz, Texas Instruments DM3730
- RAM: 512 MB
- Flash Storage: 16 GB
- 4.3" WVGA sunlight-readable Gorilla glass display
- Light sensor to auto-adjust display brightness
- Capacitive interface
- Integrated 3.75G cellular data, text and voice capability
- 8 megapixel camera with geo-tagging and dual LED flash
- Bluetooth® 2.1 with enhanced data rate
- Wi-Fi (802.11 b/g/n)
- GPS receiver, 2– 4 m accuracy (WAAS/SBAS capable)
- MCX port for optional external GPS antenna
- Electronic compass
- Accelerometer
- Robust custom port with USB 2.0 full speed protocol
- Conversion cables available for 9-pin serial or USB host
- MicroSD memory card slot (supports SDHC up to 32 GB)
- Integrated speaker and microphone
- 3.5 mm headset jack with audio capability

## OPERATING SYSTEMS

- Windows Embedded Handheld 6.5
- Language support: Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese, Russian or Spanish

### Windows Embedded Handheld 6.5

#### Standard Software:

- SatViewer (GPS interface application)
- CellStart (WWAN configuration application)
- Microsoft® Office Mobile® 2010 (Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile)
- Internet Explorer Mobile 6
- Microsoft My Phone with SMS text messaging
- Camera control application
- Flashlight mode control application
- Calculator
- Calendar
- Microsoft Pictures & Videos
- Windows Media® Player
- Windows Live Messenger
- Microsoft Task Manager & Notes
- Adobe Reader LE 2.5

## STANDARD ACCESSORIES

- International AC charging kit
- T41 USB cable
- Wrist strap
- Ultra clear screen protectors (qty 2) kit
- Quick Start Guide

## OPTIONAL ACCESSORIES

- 9-pin serial adapter
- USB host adapter
- Capacitive stylus with tether
- External battery pack
- Port cover
- Ultra clear screen protectors (qty 10) kit
- Anti-reflective screen protectors (qty 2) kit
- Vehicle charging kit
- Capacitive touchscreen gloves
- External GPS antenna

## ENVIRONMENTAL SPECIFICATIONS

Water . . . . . Survives driving rain and water spray  
IEC-60529 IPx8, water jet 12.5 mm dia @ 2.5–3 m

Dust . . . . . Protected against dust, IEC-60529 IP6x,  
dust chamber with under-pressure

Drops . . . . . Survives multiple drops of 4 ft (1.22 m),  
MIL-STD-810G, Method 516.6, Procedure IV, Transit Drop

Operating Temperature . . . . . –22 °F to 144 °F  
(–30 °C to 60 °C), MILSTD-810G, Method 502.5,  
Procedure I, II, III (Low Temp Operating –30 °C);  
Method 501.5, Procedure I & II  
(High Temp Operating 60 °C)

Storage Temperature . . . . . –40 °F to 158 °F  
(–40 °C to 70 °C), MILSTD-810G, Method 502.5,  
Procedure I, II, III (Low Temp Storage –40 °C);  
Method 501.5, Procedure I & II  
(High Temp Storage 70 °C)

Temperature Shock . . . . . Cycles between –22 °F and 144 °F  
(–30 °C and 60 °C), MIL-STD-810G,  
Method 503.5, Procedure I-C

Humidity . . . . . 90% relative humidity with temperatures  
between 22 °F and 144 °F (30 °C and 60 °C),  
MIL-STD-810G, Method 507.5, Procedure II

Altitude . . . . . 15,000 ft (4,572 m) at 73 °F (23 °C)  
to 40,000 ft (12,192 m) at –22 °F (–30 °C),  
MIL-STD-810G, Method 500.5, Procedure I, II & III

Vibration . . . . . General minimum integrity and  
loose cargo tests, MILSTD-810G, Method 514.6,  
Procedure I & II, Category 5

Solar Exposure . . . . . Survives prolonged UVB exposure,  
MIL-STD-810G, Method 505.5, Procedure II

Chemical Exposure . . . . . Resistant to mild alkaline and  
acid cleaning solutions, fuel hydrocarbons, alcohols  
and common vehicle and factory machine lubricants

## PHYSICAL

Size . . . . . 6.1 in × 3.2 in × .9 in  
(15.5 cm x 8.2 cm x 2.5 cm)

Weight . . . . . 13.5 oz (.4 kg), including battery

## ELECTRICAL

Processor . . . . . 1 GHz, Texas Instruments DM3730

Memory . . . . . 512 MB

Storage . . . . . 16 GB, non-volatile

Expansion . . . . . microSD card slot, SIM card slot

Display . . . . . 4.3 in (10.9 cm), 480 x 800 pixel, WVGA TFT

Battery . . . . . 3.7 V, 3.3 Ah, 12.2 Wh, Lithium-ion polymer

I/O . . . . . 3.5mm audio jack;  
Custom Port that supports USB 2.0 Host,  
USB Client, 9-pin Serial and 5.6 V (5.0 V to 5.9 V)  
DC input power

GPS Receiver . . . . . 2–4 m accuracy with WAAS/SBAS  
correction; MCX port for optional external antenna

Radios . . . . . Bluetooth 2.1 +EDR; Wi-Fi 802.11 b/g/n

WWAN radios . . . . . UMTS / HSPA+,  
GSM / GPRS/ EDGE, UMTS

Bands (WCDMA/FDD) . . . . . 800, 850, 1900,  
AWS and 2100 MHz

GSM Bands . . . . . 850, 900, 1800, 1900 MHz



## CERTIFICATIONS

WFCC, CE, R&TTE, IC (Canada), C-tick, GCF compliant, RoHS compliant, Section 508 compliant, PTCRB, SAR, AT&T network compatible, Wi-Fi Alliance certified, CCX, USB 2.0 Full Speed, MIL-STD-810G, IP65, MIL-STD-461E.



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