

TDS Nomad



- Backlit Numeric keypad
- Meets MIL-STD-810F standards
- IP67 rating
- Featuring Survey Pro software
- Full VGA display
- 806 MHZ processor
- Integrated GPS
- Integrated Bluetooth, 802.11
- 15-hour rechargeable battery
- Windows Mobile 6

The new TDS Nomad packs even more functionality into the most powerful and full-featured rugged data collector available. Start with an 806 MHz processor, a long-life 5200 mAh lithium-ion battery and integrated wireless capabilities like GPS, 802.11g, and Bluetooth. Then, the TDS Nomad adds 128 MB RAM and up to 1 full GB non-volatile Flash storage to manage all the data you can collect.

The Nomad features a high-resolution, sunlight-visible full VGA display that shows graphics and maps in crisp detail plus a backlit numeric keypad. There are three models of Nomad to choose from so you can select the one that meets your unique field requirements.

MODELS OVERVIEW	800B	800LD	800LC
PROCESSOR/SPEED			
Marvell PXA320 XScale	806 MHz	806 MHz	806 MHz
MEMORY			
DDR SDRAM	128 MB	128 MB	128 MB
Data storage (On-board Flash)	512 MB	1 GB	1 GB
FEATURES			
Integrated GPS, navigational grade		Standard	Standard
Integrated Bluetooth	Standard	Standard	Standard
Integrated 802.11g		Standard	Standard
Integrated camera ZMP			Standard
Integrated USB host		Standard	

STANDARD FEATURES

- Windows Mobile 6 (Classic edition)
- Numeric keypad with backlight
- Marvell 806 MHz XScale processor
- 128 MB DDR SDRAM
- 512 MB to 1 GB nonvolatile Flash storage
- Full VGA display, sunlight-readable color TFT
- Touchscreen
- Rugged submersible design
- Integrated speaker and microphone
- Integrated Bluetooth 2.0
- CompactFlash (CF) (Type II) slot
- Secure Digital (SDIO) slot
- Notification LEDs
- 15-hour battery life with active use (default settings)

PHYSICAL

Size

6.92 in x 3.92 in x 1.96 in
(17.6 cm x 10.0 cm x 5.0 cm)

Weight

21 ounces (596 g) including battery

ELECTRICAL

Processor

Marvell PXA320 XScale 806 MHz

Expansion

1x Type II CF slot, 1x SDIO slot¹

Display

480 x 640 pixel (VGA) 16 bit color TFT
LED backlight

Batteries

5200 mAh Li-Ion rechargeable pack

¹ Applicable only to 800B model.

ENVIRONMENT

Operating Temperature

-22 to 140 °F (-30 to 60 °C)

Storage Temperature

-40 to 158 °F (-40 to 70 °C)

Humidity

MIL-STD-810F, Method 507.4

Water

IP67, sealed against accidental immersion
(1 m for 30 min)

MIL-STD-810F, Method 512.4,

Procedure I, Water

Drop

MIL-STD-810F, Method 516.5, Procedure IV

I/O

9-pin serial port—RS-232 (115 kbps)
USB Host and client, power, audio jack

STANDARD SOFTWARE

Word Mobile
Excel Mobile
Outlook Mobile
Contacts
PowerPoint Mobile
Calculator
Internet Explorer Mobile
Calendar
Windows Media Player
Online help
Microsoft ActiveSync
Notes
Tasks
Microsoft Pictures and Videos

STANDARD ACCESSORIES

Li-Ion battery module
Stylus
Lanyard
AC charger
USB data cable
User's guide
Hand strap
Screen protectors

26 drops from 4 ft (1.22 m) onto plywood
over concrete

6 additional drops at -22 °F (-30 °C)

6 additional drops at 140 °F (60 °C)

Sand and dust

IP67, MIL-STD-810F, Method 510.3

Procedures I&II

Vibration

MIL-STD 810F, Method 514.5, Procedure I

Altitude

15,000 ft at 73 °F (23 °C)

MIL-STD-810F, Method 500.4, Procedures I,
II & III