

NOMAD

Portable handheld for
water meter reading

Manual and radio readings



ZENNER
All that counts.

NOMAD (800B)

Extremely robust and powerful

The TDS NOMAD is an extraordinarily powerful hand-held computer. It is the most robust and most comprehensive portable terminal of its kind. It is also available in many different versions, so you can choose the one that best suits you, with Bluetooth as standard and optional built-in GPS and WLAN, built-in GPRS/EDGE, digital camera and barcode-scanner.

With a higher processing speed than most SDRAM and Flash memories, it is also perfect for mobile use in tough outdoor environments. As a truly robust outdoor portable device, the NOMAD meets the rigorous MIL-STD-810F military standard for resistance to shock, vibration, moisture, altitude and extreme temperatures. The Nomad has an IP67 protection rating, meaning that it is entirely dust and water-tight. The NOMAD has a powerful 806MHz Marvell PXA320 XScale processor, 128MB DDR SDRAM and up to 2GB Flash memory, as well as an interchangeable Lithium-ion hot-swap battery.

The full VGA touch-screen provides a fine, clear, high-resolution display even in bright sunlight. The numeric keypad is backlit for use at night or in dark surroundings.

The NOMAD runs on the very latest version of the Windows Mobile operating system, version 6.

Performance characteristics in overview

Dimensions:	mm	176 x 100 x 50
Weight:	g	596 (incl. battery)
Operating temp.	°C	-30°C to 60°C
Storage temp.	°C	-40°C to 70°C
Sand and dust resistance:	IP67, MIL-STD-81 0F Method 510.3, Procedures I&II	
Water resistance:	IP67, resistant to accidental immersion (1m for 30 mins) MIL-STD-810F, Method 512.4, Procedure I	
Moisture resistance:	MIL-STD-810F, Method 507.4	
Shock resistance:	MIL-STD-81 0F, Method 516.5 Procedure IV26 drops from 1.22m, 6 additional drops at -30 °C, 6 additional drops at 60°C	
Vibration resistance:	MIL-STD-810F, Method 514.5, Procedures I&II	
Altitude resistance:	4572m at 23°C, MIL-STD-810F, Method 500.4 Procedures I, II and III	

Connection & communication data

Connections:	host and client USB, power supply, audio socket, 1 x Type II CF socket, 1 x SDIO socket
Communications:	- PAN: Bluetooth 2.0 + EDR - WLAN*: built-in 802.11 b/g WPA2, - WAN: optional built-in GPRS/EDGE Built-in GPS* - Built-in loudspeaker & microphone

*except Nomad 800B

With QUARTZ software

- Intelligent battery management
- Built-in control of battery level and performance
- Data protection (up to 10 minutes) during battery change with 3-day optional clock-saving function

Options

- Built-in 1D barcode laser scanner
- Built-in 2-megapixel camera
- GPRS
- 9-pin serial boot with RS-232 connector
- Computer docking station
- Vehicle adaptor
- 12V vehicle charger
- AA battery unit
- Additional battery charger
- 13.56MHz RFID kit • 125kHz RFID kit
- 869.525MHz UHF RFID Kit (Europe only)
- Carry case
- Belt fastening

Computer data

Processor:	Marvell PXA320 Xscale 806MHz
Operating system:	Windows Mobile 6
Memory:	128 M B DDR SDRAM ~ 30 MB reserved Built-in NAND Flash memory non-volatile 512Mb to 2GB ~ 50 MB reserved
Screen:	480x640 pixels (VGA), 16 bits, colour TFT touchscreen, legible in bright sunlight, backlit, LED
Keypad:	numeric, backlit for use at night, QWERTY software keypad
Batteries :	Rechargeable 5200mAh Li-ion, lasts all day on default settings

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