



TRX920 MOBILE DATA COLLECTOR



Neptune's TRX920 is a compact, multi-functional automatic meter reading device. While the more robust MRX920™ and MTX950™ mobile data collectors provide larger utilities with premium performance in high density areas, the TRX920 answers the needs of smaller utilities that desire the benefits of a true mobile system without the expense. In minutes, the TRX920 is securely installed into a utility vehicle via one of two RAM® mounting options and powered by the vehicle's power source.



The main component of the TRX920 is the CE8640X tablet computer complete with the Microsoft® Windows® CE.NET operating system. As with the CE5320X handheld, the CE8640X is powered by one of Neptune's meter reading software packages, FieldNet® or Equinox™. This means that utilities already utilizing one of these software packages will be able to seamlessly integrate the TRX920 into their system with no additional training. Both of these software packages are designed to provide utilities with the tools needed to reliably manage meter reading schedules regardless of size or utility type.

In the past, utilities have had to choose between a walk-by system and a mobile system. As a true multi-functional device, the TRX920 allows the utility to do both. When in the vehicle docking cradle, the device is a mobile data collection unit complete with roof-mount antenna and RF filter. When the CE8640X tablet is removed from the docking cradle, it becomes a walk-by handheld capable of meter reading (RF, manual keyed entry, and probed accounts) and can be utilized for service work orders in the field with its 1/2 VGA color touch screen.

Regardless of which application you choose, the device is very easy to operate. The CE8640X is loaded with meter reading routes through an Ethernet communication/charging cradle using Neptune's host meter reading software. These communication/charging cradles are connected directly to a PC, to a server supporting multiple computers, or to the company LAN. To retrieve meter reading data, the CE8640X is first inserted at the end of the day into the cradle at the office. Data is then downloaded to the meter reading software and prepared for transfer to the billing system. The CE8640X remains in the docking cradle to recharge so it is ready for work the next day.

The TRX920 comes prepared to address multiple system technologies with Neptune's latest RF receiver – the HR2650i. This PCMCIA-based receiver automatically reads Neptune R900®, Itron® R300, R300HP, and electric ERT® Hunt Air Point and Hunt Air Point HP transmitters. Additionally, the TRX920 supports various types of meter probes. In the water industry, walk-by probed meter reading is supported via a wireless RF link between the probe and the TRX920 (either in the vehicle or with the CE8640X outside the vehicle). In the electric industry, the TRX920 supports optical probing across a wide variety of electric meters and file types for time-of-use and mass memory meters.

KEY FEATURES

- Utilizes Equinox™ and FieldNet® software
- 1/2 VGA color touch-screen display
- Designed for extreme durability – complies with IP67 & MIL-STD-810F
- Rechargeable long-life lithium ion battery for 10-12 hour work day
- Easy to install in-vehicle mounting options
- HR2650i Integrated PCMCIA receiver – fully compatible with Neptune R900®s, Itron R300s, R300HPs, and electric ERTs

KEY BENEFITS

- Offers true multi-application functionality in “all-in-one” device
 - Mobile
 - Walk-by (manual keyed entry, probed, and RF)
 - Service work orders
- Flexible, easy-to-use software application functionality
- Operates from either battery or standard 12V DC vehicle power source (e.g., cigarette lighter)
- Reduces potential liability to utility through improved meter reader safety
- Improves overall field and office efficiency
- Courteous, prompt, and conscientious Support Specialists available if needed

SPECIFICATIONS

Operating System	Windows CE.NET 4.2
Software Application	FieldNet or Equinox (2.1 or later)
Processor	400 MHz Intel Xscale PAX255
Memory	64 MB RAM, 128 MB Flash for WIN CE and file system
Display	1/2 VGA (6.5") STN transfective color LCD with backlighting Indoor/Outdoor color display Automatic contrast temperature compensation
Keyboard	Highly ergonomic keyboard, 64 multi-function keys Alphanumeric keys with large, separate numeric keypad Tactile and programmable audible feedback Customized keyboard templates to support FieldNet and Equinox Optional backlighting
Power Supply*	Rechargeable lithium ion battery pack (user accessible) 2200 mAH Intelligent fast charge system (4 hours) Power management system Integrated charge status and low battery indicator Rechargeable backup battery (hot swappable) ON/OFF switch, manual and automatic shutoff 5 Volt power for external devices In-vehicle charger
Communications	Ethernet 10 Base T, 10 Mbps IrDA 1 RS232 on Lemo connector, up to 230 kbps full duplex
Audio	Integrated and environmentally sealed speaker
AMR RF Receiver	HR2650i integrated PCMCIA receiver
Dimensions (CE8640X)	9.05" (230mm) x 7.28" (185mm) x 1.97" (50mm)
Weight	2.43 lbs (1100 g) with battery pack
Temperature Range	Operating: -4°F to +122°F (-20°C to +50°C) Storage: -40°F to +140°F (-20°C to +50°C)
Environmental	MIL-STD-810F method 512.4 procedure I IP67 (1 meter immersion) MIL-STD-810F method 506.4 procedure I (wind blown rain) Shock resistance: * Exceeds 1.2 meter drop onto concrete * Exceeds MIL-STD-810F method 516.5 procedure IV Electrostatic discharge: * Meets EN 61000-4-2
Approvals	FCC Class B CE Certification ISO9001
Accessories	Ethernet communications and charging cradle 110 V AC power supply Ergonomic hand strap adjustable for either left- or right-handed users
TRX920 Vehicle Docking Options	Floorboard mount (as shown)** Seat rail mount**
Warranty	1 year comprehensive warranty Hardware and software maintenance contracts available

* When being used as mobile unit, the CE8640X can utilize the vehicle's power supply via an in-car charger.

** Manufactured by RAM® (Round-A-Mount) Mounting Systems

The TRX920 has all that your utility needs to meet its day-to-day demands efficiently. Gone are the days when meter readers had to carry multiple hardware devices for their daily tasks. TAKE CONTROL of your system with a device that addresses all your needs in one package.

Neptune's commitment to quality and long-term service is backed by a qualified Systems Support Center. The Systems Support team is easily accessible through our toll-free number (1.800.647.4832). Neptune provides access to qualified professionals who provide prompt and courteous assistance. Comprehensive hardware and software warranties as well as maintenance services are also available to keep all equipment operating at peak performance.



TRX920 shown in vehicle

Neptune engages in ongoing research and development to improve and enhance its products. Therefore, Neptune reserves the right to change product or system specifications without notice.

Neptune Technology Group Inc.

1600 Alabama Highway 229
Tallahassee, AL 36078
USA
Tel: (800) 645-1892
Fax: (334) 283-7299

Neptune Technology Group (Canada) Ltd.

7275 West Credit Avenue
Mississauga, Ontario
L5N 5M9
Canada
Tel: (905) 858-4211
Fax: (905) 858-0428

Neptune Technology Group Inc.

Ejército Nacional No. 418
Piso 12, Desp. 1201-1202
Col. Chapultepec Morales
Delegación Miguel Hidalgo
11570 México, Distrito Federal
Tel: (525) 55203 5294 / (525) 55203 5708
Fax: (525) 55203 6503



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