



**Wireless Mobile Data & Dispatch
Communications Solutions**

**Mobile Data
Terminals**

WDT3000

This robust, general purpose Mobile Data Terminal (MDT) is styled for ease of use by a vehicle-based or field operator. The WDT3000 Mobile Data Terminal includes a full QWERTY keypad and may be lifted from its cradle for quick and easy message and data input by the operator.

With powerful on board processing capabilities the WDT3000 Mobile Data Terminal may be configured for many different forms of mobile data dispatch and field job management requirements.

The WDT3000 is fully programmable with highly flexible and dynamically configurable user interface. It can be customized for individual applications providing fast systems integration and fleet deployment.



The WDT3000 is capable of being connected to a trunked or conventional 2-way radio or to a variety of other wireless data devices such as digital cellular transceivers (GPRS/CDMA, Satellite etc). The standard head provides a single serial data input however may also be connected to an I/O expander which adds a number of additional input and output capabilities including, GPS receiver, printer, barcode reader etc.



The WDT3000 Mobile Data Terminal is provided with a highly configurable job management interface which supports job dispatch, job return data, free form text messaging, GPS location acquisition and status reporting. Job formats, status stacks and return data fields may be configured 'over-the-air'.

Screen layouts, job formats, status stacks and return data formats may be programmed and triggered by the type of data dispatched from the base.



Eight soft menu keys are provided and the menus change with each screen. Special interfaces can be provided on request such as large text, different language sets, Taxi meter etc.

The WDT3000 can also be supplied just as a messaging and status terminal for interfacing to third party processing and communications equipment.

EMERGENCY
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PLANT
LOGISTICS

JOB
MANAGEMENT

FREIGHT
SERVICES

PORT
SERVICES

WDT3000 The GPS management capability includes the ability to separately set location acquisition and data transmission criteria by time, distance, speed or movement events. It also has an internal geo-fencing capability. The WiPath wireless data network (WDN) structure, which includes the WDT3000 Mobile Data Terminal, is designed to be easily interfaced with third party dispatch and CAD applications and to maximise the data transmission efficiency to keep wireless network data traffic and costs to a minimum.

An optional IO Expander provides for connection multiple peripheral devices including GPS receiver, printer, barcode reader. The I/O Expander provides a total of up to 5 serial ports, 1 parallel port and 2 grounded outputs.

FEATURES

- ABS case & steel cradle
- Large 240 x 64 graphical sunlight readable display
- Removable from cradle
- Backlight brightness and contrast user changeable
- Standard Job Management interface available
- Customisable User Interface
- Over-The-Air configurability
- Programmable
- Geofencing built in
- GPS Acquisition and transmission separately configurable
- On-site auto Job Location reporting
- Auto zone reporting
- Hierarchical Status Tree
- Multiple Status Stacks
- Configurable Job screen format
- Automatic status updating
- Automatic event triggering
- Time and date stamping of jobs & messages
- Time and date display on main screen
- On screen programming of user functions available
- Up to 60 jobs and messages may be stored in memory (expandable)
- Compatible with trunked and conventional 2 way radios
- Compatible with CDMA & GPRS packet switched modems.

WIRELESS INTERFACES AVAILABLE

- Cellular (GPRS, CDMA)
- Trunked & conventional radio
- Other interfaces on request

GENERAL SPECIFICATIONS

Physical Dimensions	200mm x 145mm x 37mm (~8x5.75x1.5")
Keypad	Full QWERTY Silicon keypad
Operating Voltage	12 - 32V DC
Nominal Voltage	12V
Power Usage (Max.)	1.75W (ie, 200mA @ 12V)
Interface Connector	14 pin on flexible curly cable
Internal Modem	1200/2400 baud MSK modem
Real Time Clock	Battery backed Y2K compliant real time clock
GPS Ready	On board GPS processing capability
Internal GPS	Option

PROCESSOR

Processor Speed	16MHz
Non Volatile RAM	256Kb
Volatile RAM	20Kb
Flash memory	256Kb (64Kb set aside static configuration data)

GRAPHICAL LCD

Resolution	240 x 64 pixels
Backlight	LED
Viewing Area	132.6mm x 39mm (Approx. 5" x 1.5")
Temperature Range	0°C to 70°C
Configurability	Variable contrast and backlight brightness

INPUT AND OUTPUT

Comms Interface Port	TTL or RS232 level (invertible) rx & tx serial data
Peripheral Serial Port	RS232 level input or output
Audio Interface	Modem rx and tx audio, output PTT

EXPANDABILITY

The WDT3000 can be connected to an I/O Expander unit with a number of serial ports, analogue and digital I/O inputs and outputs plus parallel output configurations, depending on requirements.

PERIPHERALS

GPS, Printer, Barcode Scanner, Swipe Reader, Meter etc



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4467 Terracemeadow CT. • Moorpark, CA 93021
T: 805-532-9964 • F: 805-529-8549 • info@wipath.com

www.wipath.com