



Wireless Mobile Data & Dispatch
Communications Solutions

Paging Data
Terminals

PDT2000

The PDT2000 Paging Data Terminal is an intelligent multi-function paging device that is capable of receiving and displaying messages on a large graphical LCD display as well as providing a wide range of multiple output and control options.



It is able to print messages directly to a parallel printer, output the message data via serial ports or control an external transmitter.

The PDT has four relay control outputs internally and may additionally be interfaced with the external RCM2000 relay board for multiple relay control.

The PDT2000 is also available in a rugged duty version (shown below) for harsh environments such as mounting on forklifts for in-plant messaging.

Other options include an inbuilt POCSAG paging encoder for repeater or rebroadcast applications and a number of other specialized serial data inputs and outputs for control of devices such as LED signs.

- EMERGENCY SERVICES
- VEHICLE DISPATCH
- MESSAGE LOGGING
- MESSAGE PRINTING
- NETWORK EXPANSION
- NETWORK MONITORING
- SATELLITE INFILL
- STORE & FORWARD
- LED SIGN CONTROL



All models are manufactured with blue/white LCD display.

PDT2000/PDR2000/PSR2000



PDR2000



PSR2000

The PDR2000 is a "black box" version of the PDT2000. It has all of the features of the PDT2000 except for the display. The PDR2000 is most suitable for monitoring and remote control requirements. The PSR2000 has similar functions to the PDR2000 however with fewer outputs and is intended only for integration into other equipment. The PSR2000 is **only** available as an OEM device and minimum quantities apply.

APPLICATIONS

MOBILE DATA DISPATCH

The PDT provides a low cost alternative to radio telephone or trunking based mobile dispatch systems installed in a vehicle.

MOBILE VEHICLE ROUTING

Transferring location co-ordinates data for emergency service's vehicle routing systems when interfaced with a laptop computer running GIS software.

PAGING MESSAGE MONITORING

Monitoring capcodes and logging messages to a computer for further processing and analysis.

LED DISPLAY REMOTE CONTROL

The PDR is ideal for the control of public display units such as electronic moving message displays.

PAGING NETWORK INFILL AND STORE & FORWARD

The PDR may be used for network expansion and infill in poor coverage areas when connected with a transmitter. It can also be used for cross protocol (Flex to pocsag) and cross band repeating and store & forward applications.

REMOTE CONTROL SWITCHING

The PDT & PDR have relays on-board which can be controlled individually by message or capcode and which provide a means of switching any remotely located equipment. Additional relay controls can be added using the RCM2000.

FEATURES

- Pocsag or Flex Decoding
- Sunlight readable graphical LCD display
- Large capcode/address capacity
- Easy to use graphical user interface
- On screen programming of functions
- Real time clock
- Printer output (parallel or serial)
- Inbuilt pocsag encoder
- TNPP encoder/decoder
- Serial input and output (configurable)
- LED sign control
- Capcode and message control of relays
- Relay board expander (optional)
- Transmitter control
- Infill repeating
- Cross band and cross protocol repeating
- Store & Forward

SPECIFICATIONS

Display Size (PDT2000)	130 x 40mm (Approx 5 x 1.5in)
Receiver	Synthesised
Frequencies	148-174, 450-470, 929-932 MHz (Other frequencies by request)
Protocols	Pocsag & Flex
Channel Spacing	25 KHz
Data Transmission Rate	512-2400 bps (Pocsag) 1600/2-6400/4 (Flex)
Frequency Deviation	+/- 4,5 KHz
Receiving Sensitivity	5 uV at 1200 bps
Selectivity	better than 60 dB
Image Rejection	better than 55 dB
Spurious Rejection	better than 55 dB
Frequency Stability	10 ppm at -10C~+60C
Power	12-32 V DC/AC (12VDC Nominal) 150mW @ 12V
Physical (PDT2000)	228 x 78 x 40mm (~9 x 3 x 1.5in)
(PDT2000R)	230 x 95 x 53mm (~9 x 3.5 x 2in)
Temperature Range	0°C to 70°C

Input/Output

2 x RS232 serial data input/output

Control outputs - 4 x relays

Parallel printer output (Centronix)



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