WiPath

Wireless Mobile Data & Dispatch Communications Solutions

Paging Data Terminals

PDT3000

The PDT3000 Paging Data Terminal is an intelligent multi-function paging device capable of receiving and displaying messages on a large graphical LCD display as well as providing multiple output and control options.

It is able to print messages directly to a parallel or serial printer, output the message data via serial ports or control or receive data from external devices via its two serial ports.

The PDT3000 has four relay control outputs internally and may additionally be interfaced with an external RCM3000 relay board for multiple relay control.

The ruggedized case of the PDT3000 is constructed of glass reinforced ABS that gives it a strength similar to aluminum for operation in harsh environments such as mounting on forklifts for in-plant messaging. Depending on the connector configuration it can also be made weathertight to a rating of IP67.

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

The PDT3000 is available in a number of optional configurations with different connector combinations and weather tightness ratings. It also has a number of mounting options to choose from.

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

PDT3000, PDR3000, PSR3000

PDR3000

PSR3000

The PDR3000 is a “black box” version of the PDT3000. It has all of the features of the PDT3000 except for the display. The PDR3000 is most suitable for monitoring and remote control requirements. The PSR3000 has similar functions to the PDR3000 however with fewer outputs and is intended only for integration into other equipment. The PSR3000 is **only** available as an OEM device and minimum quantities apply.

APPLICATIONS

MOBILE DATA DISPATCH

The PDT3000 provides a low cost alternative to radio telephone or trunked mobile dispatch systems installed in a vehicle.

MOBILE VEHICLE ROUTING

Receive and output location co-ordinates data for emergency service vehicle routing systems when interfaced with a laptop computer running GIS software.

PAGING MESSAGE MONITORING

Monitor capcodes and logging messages to a computer for further processing and analysis with LogPage software

LED DISPLAY REMOTE CONTROL

The PDR3000 is ideal for the control of public display units such as electronic moving message displays.

PAGING NETWORK INFILL AND STORE & FORWARD

The PDR3000 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 as well as store & forward applications.

REMOTE CONTROL SWITCHING

The PDT3000 & PDR3000 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 RCM3000.

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 (PDT3000)

Display Size	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	512-2400 bps (Pocsag)
Rate	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 (Max 400mW)
Physical	230 x 94 x 56mm (~9 x 3.5 x 2in)
	(Excluding brackets and antenna)
Temperature Range	0ºC to 70ºC

Input/Output

2 x RS232 serial data input/output
Control outputs - 4 x relays
Parallel printer output (Centronix)
Transmitter control output

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