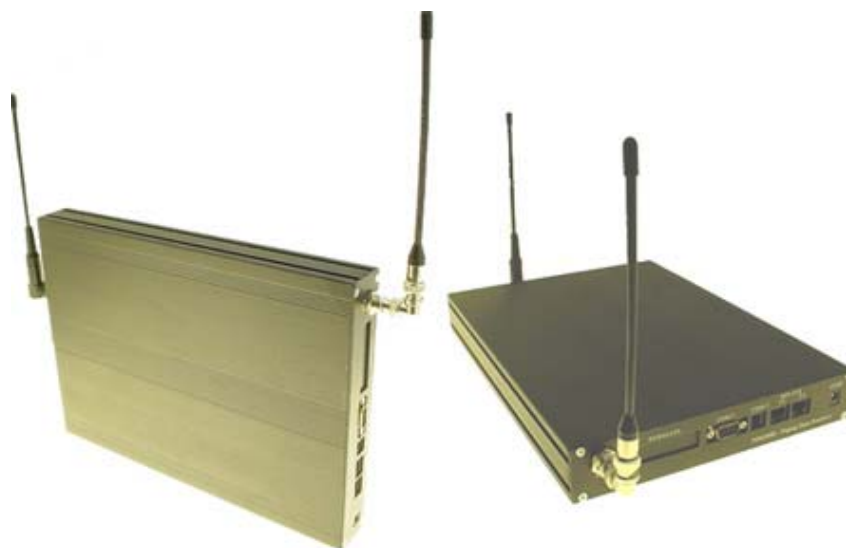




SPPSF

Pocsag Store & Forward Repeater



General Description

The SPPSF is a low cost pocsag store and forward paging repeater available with a 5W transmitter which may be boosted up to 25W with an optional RF power amplifier.

The SPPSF can be used for improving in-building coverage or infill for coverage blank spots.

The SPPSF receives either pocsag or Flex paging signals from a wide area carrier or other local transmitter and retransmits pocsag locally or acts as a link for further transmissions. It includes a programmable transmit delay.

It is also capable of locally switching up to 4 relays and monitoring up to 12 local alarms.

Applications

Coverage Infill

In-building coverage expansion

Network expansion

Cross band repeating (Flex to pocsag)

Cross frequency repeating

Features

Retransmit all capcodes or just a selection

Up to 12 local alarms may be monitored

Local message input available

Relay control outputs (4), capcode & message activated

Battery backed real time clock

Receivers available for most paging bands

VHF & UHF Transmitters available

Specifications

Receiver	Synthesised	Transmitter	FM/FSK NRZ
Frequencies	148-174, 450-470, 929-932 MHz (Other frequencies by request)	Power output	5W standard (other available on request)
Protocols	Pocsag & Flex	Power	12-32 V DC/AC (12VDC Nominal)
Channel Spacing	25 KHz	Current	30mA on standby, 1.2A transmitting
Data Reception Rate	512-2400 bps (Pocsag) 1600/2-6400/4 (Flex)	Physical	300 x 230 x 38mm (Excluding connectors and flanges)
Frequency Deviation	+/- 4.5 KHz	Operating Temperature Range	-10oC to 70oC
Receiving Sensitivity	5 uV at 1200 bps	Antennae connectors	BNC
Selectivity	better than 60 dB	Relay ratings	1A @12VDC
Image Rejection	better than 55 dB		
Spurious Rejection	better than 55 dB		
Frequency Stability	10 ppm at -10C~+60C		

Options & Accessories



Standard accessories



Plug pack power supply (option)



SPP Programming Kit