

# RPT-1600U RF Data Repeater

*Make Easy! For Improving the Weak Area Coverage*



## Application

- Hospitals, Nurse station, Rest-home
- Restaurants, Club, Casino, Hotels
- Emergency situations, Manufacturing, Convention center

The RPT-1600U Data Repeater is well designed in same/duplex frequency and low transmission power to improve the weak area's receiving.

This device is usually installed in the indoor/outdoor area, such as the building corner and basement etc. And the power source is provided by an AC adapter, which needs to be plugged into a standard electrical outlet.

For the data repeating techniques, the RPT-1600 uses 2 antennas to handle all signals in and out. And the antenna located at the repeater bottom side is used to receive the signal from the portable transmitter. The other antenna on the top side is engaged to forward and transmit the received signal to the pagers etc.

The effective receiving distance from the portable transmitter to the repeater is about 250 feet. And the repeating distance coverage from the repeater to the receiver devices can reach up to 1 mile.

## Specifications

Model Number:	RPT-1600
Receiver frequency:	140MHz - 868MHz.
Transmitter frequency:	140MHz.- 868MHz
Band width:	Maximum 25KHz.
RF power output:	10mW - 2W(140-490MHz ). 10mW - 100mW (868MHz only).
Modulation:	FSK,NRZ.
Transmitter Deviation:	4.5KHz.
Data format:	POCSAG or any 2 level H/L
Data rate:	from 300 to 6400bps.(512 -2400bps for pager)
Data storage:	Total 256K (32Kx8 block).
Delay time:	About 4 Sec.
RF output Jack::	RX: SMA Female, TX SMA Female,
Stability:	±10 ppm
Receiver sensitivity:	7uV at 1200bps
Operating Voltage:	DC12V with a AC100~240V 50/60Hz Switching Power Adapter
Operating Temperature:	-40°C ~ + 70°C
Power Consumption:	Standby 32mA, TX 750mA(at RF 2W)
Size:	225mm X 136mm X 35mm.
Weight:	380gm without AC adapter

Notes: Specifications are subject to change without notice