

# ▶ Pocket IR Modem (PIR5600)

The Pocket IR Modem is compatible with every IrDA compliant handheld, notebook and other device.

Utilizing one of the best IrDA software stacks in the world, the IrDA software on the Pocket IR Modem can assure efficient and secure data transfer between your device and our modem.

The software is powered by an ARM7-TDMI microcontroller to ensure optimal performance and throughput.

- Supports large IrDA frame size
- Incorporate large data buffers

## ▶ IRDA

The modem chipset is supplied by Conexant.

Based on Conexant's 3rd generation SmartDAA with hundreds of millions sold around the world, we are proud to provide you with a solid and more importantly proven solution for your data needs.

Critical phone line components are all Y2/X2 safety rated. The modem also incorporates a fuse for added safety.

- Dual RJ-11 jacks for placing inline with a telephone or fax machine

## ▶ MODEM

The Pocket IR Modem is built using the highest quality components and materials.

Every unit is assembled to meet and/or exceed the requirements of IPC-A-610 Class 2.

Every component is a brand name part purchased from authorized distributors to ensure reliability and longevity.

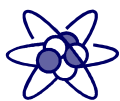
## ▶ QUALITY

## ▶ BENEFITS

- Fastest IrDA 56K modem in the world
- Utilizes the best IrDA software stack
- Utilizes the best modem chipset
- Lead free, **RoHS** compliant
- Rugged and lightweight design

## ▶ FEATURES

- Compatible with all IrDA devices
- Globally compliant modem
- Designed, Engineered and Assembled in the USA
- 3 year warranty

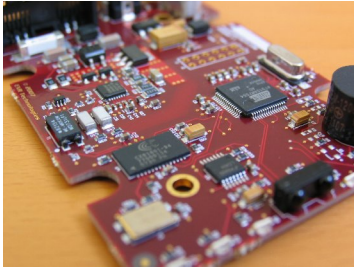


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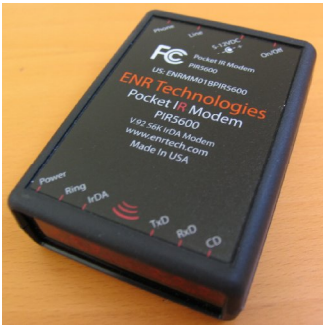
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BOARD IMAGE



PRODUCT IMAGES



## Specifications

### IrDA

Chipset	Atmel ARM7TDMI @ 29 MHz
Baud rates	9600, 19200, 38400, 57600, 115200 bps
Frame size	64, 128, 256, 512, 1024 bytes
Window size	1,2
IrDA Range	Up to 3 meters, 15 degree angle

### Modem

Chipset	Conexant SmartV.XX & SmartDAA3
Data modem	ITU-T V.92, V.90, V.34, V.32bis, V.32, V.22bis, V.22, V.23, V.21, Bell 212A and Bell 103. V.250 and V.251 commands
Data compression	V.44, V.42bis, MNP 5, V.42 LAPM and MNP 2-4
Fax Modem	Data rates up to 14.4 kbps, V.17, V.29, V.27 ter, V.21 channel 2, EIA/TIA 578 Class 1 and T.31 Class 1.0
V.92 Features	Quick Connect, Modem-on-hold and PCM upstream functions
Global compliance	Worldwide support, works in many countries
Safety	Safety rated (Y2/X2) line filter capacitors and fuse

### Additional Information

#### Mechanical & Electrical

Dimensions ( L x W x H )	3.6 x 2.6 x 1.1 (inches) 92 x 66 x 28 (mm)
Supply Voltage	5-12 VDC center positive

#### LED Indicators

Power, Ring Indicator, IrDA Activity, Txd, RxD and CD (carrier detect)

#### Line side device (DAA)

- System side powered DAA operates under poor line current supply conditions
  - Line polarity reversal detection
  - Digital PBX line protection
- Meets worldwide DC masks requirements

#### Certifications & Compliance

- FCC part 15B
- FCC part 68
- RoHS compliant

### Ordering information

Part #	Description
PIR5600	Pocket IR Modem
Package includes: Switching 110/220V power adapter RJ-11 cable User manual PIR5600	



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