

# ACTiSYS IrDA and Ruggedized IR Computer Adapter

- The **ACT-IR220L** (Standard) or **IR220LR** (Ruggedized) attaches to the RS232 serial port of desktop PC to give the user wireless data transfer for record synchronization, file back-up and network access, directly from IrDA compatible devices. No external power is needed!
- These **ACTiSYS** adapter models have already been built into Windows 95 and many PC link software for HPC, PDA and digital camera! They are compatible with any IR or IrDA communication protocol specifications.
- **IR220L** is IrDA-1.0 compatible that has data rates of 9.6, 19.2, 57.6, 115.2K bps. It can reach communication distance of 0 cm to 200 cm with no external power!
- **IR220LR** (Ruggedized) is ideally suitable for the ruggedized applications like warehouse, industrial, medical, etc. and is compatible with IrDA-1.0. It can reach communication distance of 100cm and beyond, through a long 500ft CAT-5 cable from standard RS-232 port. No external power is required!
- **IR220LR** can endure tough weather or environment to give you a reliable and convenient IR wireless communication link. It operates under extended temperature range from -40°C to 70°C (-104°F to 158°F) and meets NEMA specification (passes drop test, direct hit test, water proof test)
- **ACT-IR220L/IR220LR:**
  - Infra-Red Wireless Serial Interface Adapter.
  - IR head can be easily attached to any convenient location.

Model #ACT-IR220L



Model #ACT-R220LR

Model #ACT-IR220L/220LR

**ACTiR**

*The only IrDA adapter supplier that has test software to help your system to be IrDA compliant!*



**ACTiSYS**  
The Infra-Red Wireless Expert



# ACTiSYS RS232-Port IrDA Serial Adapter

## Specifications

### ACT-IR220L(Standard) / IR220LR(Ruggedized)

#### PHYSICAL LAYER:

**IR220L/220LR:** IrDA-1.0 (SIR) compatible.

#### COMMUNICATION DISTANCE & SPEEDS:

**IR220L/220LR:** Communication speeds programmable at 9.6K, 19.2K, 57.6K, 115.2K bps.

**IR220L:** Distance of 0cm to 200cm (using 100-ft serial cable from standard RS232 port of desktop PC!).

**IR220LR:** Distance of 0cm to 100cm (using 500-ft CAT-5 cable from standard RS232 port of desktop PC!).

#### CONNECTORS:

**IR220L:** An integral 6-ft cable with DB9 (F) connector.

**IR220LR:** An integral 4-ft CAT-5 cable with RJ45 (M) connector.

#### POWER SOURCE:

**IR220L/220LR:** RS232 port power only. No external power required.

#### POWER CONSUMPTION:

**IR220L/220LR:** 0.30W (Peak)

#### DIMENSIONS/WEIGHT (Excluding cable):

**IR220L:** 2.4"L x 1.4"W x 0.74"H

61.8mm x 35.6mm x 18.7mm

2.85 oz (77.2 gr.)

**IR220LR:** (Top portion)

3.8"L x 2.1"W x 1.25"H

97mm x 53.4mm x 31.7mm

18 oz (487 gr.)

(Mounting bottom portion)

3.4"L x 3.7"W x 1.25"H

87.3mm x 93.4mm x 31.7mm

#### TEMPERATURE RANGE:

**IR220L:** 0°C to 40°C ( 32°F to 104°F)

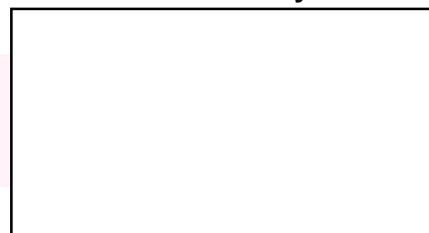
**IR220LR:** -40°C to 70°C (-104°F to 158°F)

#### RUGGEDIZATION:

**IR220LR:** Meets NEMA specification.

Passes Drop test, Direct hit test, Water proof test.

Distributed By



**ACTiSYS**

1507 Fulton Place, Fremont,  
CA 94539-7969, U.S.A.

Tel: (510)490-8024

Fax: (510)623-7268

Internet: [irda-info@actisys.com](mailto:irda-info@actisys.com)

Web Site: <http://www.actisys.com>

© Copyright 1995-1997 ACTiSYS Corp.



All brand names and product names are the trademarks or registered trade-marks of their respective companies.

OEM, VAR, Distributor, and Dealer Inquiry Welcome