

# ACTISYS FIR - USB ADAPTER

## **ACTISYS IR2002UL, an advanced wireless Fast Infrared USB adapter**

- Simply attaches to a PC's USB (Universal Serial Bus) port and gives user the wireless data transfer for data logging, synchronization, file transfer, backup, printing or network access.
- Supports FIR (4Mbps), MIR 1.152Mbps, and all SIR speeds (9.6K, 19.2K, 38.4K, 57.6K and 115.2Kbps).
- Compatible with any IrDA<sup>®</sup>-capable notebook PC, PDA, modem, printers, instruments, data terminals, digital camera, image capture device and others.
- Takes advantage of the true plug-and-play feature and the high bandwidth (12 Mbps) of USB specification.
- Offers the easiest IR wireless data access to the desktop computers.
- Does not occupy PC's COM or Parallel port and has no complicated port and resource setting and conflict, such as I/O address, IRQ / DMA numbers.
- Fully compliant to USB specification 3.0 and IrDA specification 1.4
- Obtain power from USB port. No external power supply required.
- Very compact size.
- Work easily with the link application software built into Windows 98SE, ME, 2000, XP [32 & 64 Bit], Win Vista, Windows 7/8/8.1&10 and Windows Server 2003 [32 & 64 Bit], with **WHQL Certified**.
- Also supports Win CE 4.2 & 5.0 (USB host), Linux and Mac 10.2 (Power PC only).



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*Model #ACT-IR2002UL*

*The only IrDA<sup>®</sup> adapter supplier that has test tools to help your system to be IrDA<sup>®</sup> compliant !*



**ACTISYS**  
The Infra-Red Wireless Expert



## Specifications

### ACT-IR2002UL FIR-USB Adapter

- **Compatibility:**

Fully compliant to USB specification 3.0 and IrDA<sup>®</sup> specification 1.4

- **Communication speed and Distance:**

SIR (9.6, 19.2, 38.4, 57.6, 115.2 kbps) & MIR (1.152 Mbps) - 1 ~ 158 cm  
FIR (4 Mbps) - 1 ~ 100 cm

- **Connection:**

Standard USB connector with 4-ft USB cable

- **Power Source:**

Obtain power from USB port. No external power supply required.

- **Power Consumption:**

Active current: Sending - 55 mA; Receiving - 24 mA; Standby current: 20 mA

- **Dimension / Weight:**

41 mm(L) X18 mm(W) X 9.4 mm(H); 1.85"(L)X0.7"(W)X0.37"(H)/ 6.2 g (0.22 oz)

- **Operating / Storage Temperature:**

0° C TO 60° C / -20° C TO 85° C

- **Programmable and Default Key Parameters:**

Extra BOFs = 00; Min. Turn-Around Time = 1.0 mS; Speed Enable = 4000000;  
Infrared Transceiver Type = Vishay TFD; Read Depth = 20; Read Threshold = 05;  
Receive Sensitivity = Enable; Receive Window Size = 04; Receive Mode= Fast

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