

## 1 INTRODUCTION

ACT-IR4010U/IR4020U is an advanced wireless fast Infrared USB adapter designed to replace the serial port or FIR/VFIR controller based SIR/MIR(0.576M)/FIR/VFIR wireless peripheral through Hi-Speed USB port. Taking advantage of the true plug-and-play nature and the high bandwidth of USB, ACT-IR4010U/IR4020U offers the easiest conversion of existing wireless to the legacy-free personal computer platform with the following features:

- Fully compliant to USB specification 2.0
- Fully compliant to IrDA serial infrared physical layer specification 1.4
- Support Linux system
- Full-speed (4Mbps, FIR for IR4010U and 16Mbps, VFIR for IR4020U) USB device operation
- Bus-powered device. Obtain power from USB port. No external power supply required.
- Low power consumption in standby mode (Standby current is less than 0.5 mA)
- Not occupy PC's COM or Parallel port and has no complicated hardware port and resource setting. Also no resource conflict, such as IO address / IRQ / DMA numbers.
- True PNP (Plug And Play) device. Without re-installing USB driver when re-plug in.
- Package size: 1.85"L x 0.7"W x 0.35"H



## 2 SPECIFICATION

- **Compatibility:**  
Fully compliant to USB specification 2.0 and IrDA specification 1.4; Linux system supported
- **Communication Speed and Distance:**  
IrDA-1.4 (9.6, 19.2, 38.4, 57.6, 115.2Kbps): 0-158cm;  
IrDA-1.4 (0.576Mbps): 0- 100cm;  
IrDA-1.4 (4Mbps): 0-100cm;  
IrDA-1.4 (16Mbps): 0-100cm;
- **Power Source:**  
Obtain power from USB port. No external power supply required.
- **Power Consumption:**  
Active current < 400 mA; standby current < 0.5 mA
- **Dimension:**  
47mm(L) X 18mm(W) X 9mm(H); 1.85"(L) X 0.7"(W) X 0.35"(H)
- **Weight:**  
2.08 oz (6.0 gr)
- **Operating Temperature:**  
0° C TO 70° C
- **Storage Temperature:**  
-40° C TO 125° C