

# Pocket IrDA<sup>®</sup> and Raw IR Flash Disk

## *ACT-IR321U, ACT-IR322U*

- Ⓜ A pocket-size data transfer device, collects data wirelessly from IrDA<sup>®</sup> or Raw IR-enabled industrial or medical devices, stores and sends this stored data to PC, wirelessly via IR.
- Ⓜ Can also download file from PC, and stores and sends it to industrial or medical devices, to update or program its firmware, or change settings, wirelessly via Infrared.
- Ⓜ ACT-IR322U supports IrDA-IrLAP<sup>™</sup>, IrLMP<sup>™</sup>, IAS<sup>™</sup>, and IrComm, OBEX server/client protocol layers, in both Primary and Secondary modes, at 9.6k~115.2k bps.
- Ⓜ ACT-IR321U supports IrDA-IrPHY<sup>™</sup> (Raw IR) at data rates, 2.4k to 115.2k bps.
- Ⓜ Through its standard mini-USB/type B connector, can easily connect to PC-USB port, to charge its internal Lithium Ion Polymer battery, which lasts 6 days in typical usage.
- Ⓜ Stores collected data in 4 MB flash memory, optional 8 MB memory.
- Ⓜ 4 buttons with the corresponding LEDs, enable friendly and easy data transfer, in the field with industrial or medical devices, and in the office with PC, all wirelessly.
- Ⓜ Works directly with your existing PC software, and device firmware, need no changes. Can customize for you: Baud rate, Protocol, Usage profiles, File differentiation, etc.
- Ⓜ If your device (e.g. Healthcare device) sends IrObject (OBEX PUT) data, ACT-IR322U will act as OBEX server and stores this data to internal flash memory. Later, it can act as OBEX client to send this stored (OBEX PUT) data to IrDA-ready PC (e.g. PC with attached IrDA dongle), and vice versa: from PC to ACT-IR322U, and to Healthcare or Industrial device.
- Ⓜ A truly compact and convenient alternative to Infrared-enabled PDA or data logger!

**The only IrDA<sup>®</sup> vendor, that is also sole supplier of "Official IrDA Certification Testers" !**



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## *ACT-IR321U, ACT-IR322U*

### Specification

#### ❖ IrDA<sup>®</sup> or Raw IR Communication Speed and Distance:

**ACT-IR322U (IrDA):** 9.6k~115.2k bps; IrDA-1.0: IrLAP, IrLMP, IAS; Optional: IrComm, OBEX

**ACT-IR321U (Raw IR):** 2.4k~115.2k bps. **Distance:** 1 cm ~158 cm (5 ft)

#### ❖ Capacity of Internal Flash Memory:

4 MB, Optional 8 MB

#### ❖ Battery specification:

**Capacity:** Rechargeable Lithium Ion Polymer battery, 300 mAh; Charge via USB port

**Life time:** 300 charges; **Shelf life** (after each full charge): 6 months

#### ❖ Power Consumption, Battery Life, USB Port:

**Power Consumption:** Data transfer: 26.5 mA; Power on: 22.5 mA; Auto power off

**Battery Life:** 6 days in typical usage (2 hours/day), or 12 hours (continuous use)

**USB Port:** Standard Mini Type B female connector

#### ❖ User Interface:

**4 Buttons:** #1: Power ON/OFF; #2: Link to PC; #3: Link to Device; #4: Erase Memory

**4 LEDs:** Indicate status of each button action; Also, flashing LED #1 = Battery low, flashing LED #4 = Memory full, user to press button #4 to clear buffer memory

#### ❖ Dongle Dimension / Weight:

**Dimension:** 63.6 mm (2.50") L X 41.3 mm (1.63") W X 20.5 mm (0.81") H

**Weight:** 45 gm (1.59 Oz) (Battery Included)

#### ❖ Operating / Storage Temperature:

0°C to +60°C / -20°C to +60°C (32°F to 140°F / -4°F to 140°F)

The only IrDA<sup>®</sup> adapter supplier, that has test tools to help your product to be IrDA<sup>®</sup> certified !

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921 Corporate Way, Fremont, CA 94539, U.S.A.

Tel: +1-510-490-8024, Fax: +1-510-623-7268

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

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