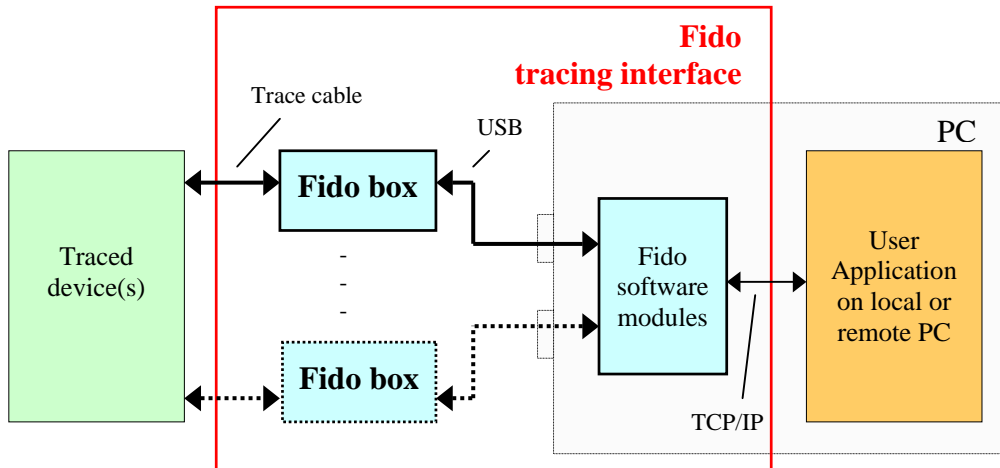


Introduction

Fido is a bundle of hardware and software modules serving as a tracing interface between traced device(s) and user application. Fido boxes act as physical interfaces between traced device(s) and PC. Data received from traced device(s) is pre-processed in boxes and forwarded via USB connection to Fido software module running on PC. The software module converts data into format acceptable for user application software.



To start tracing, you need

- Fido box and USB cable (product code 49128, see the ordering info on www.liewenthal.ee/products/fido)
- Trace cable (product codes 48107, F59447, F59475, selection depends on the traced device socket type).
- Fido box drivers and software (downloadable from www.liewenthal.ee/products/fido). Operating systems: Windows (XP and higher) and Linux (for i386 architecture, details on www.liewenthal.ee/products/fido).
- Java support (Java Runtime Environment Version 6 or higher, downloadable from www.java.com)

Fido software installation

To install the Fido box drivers and software, open the www.liewenthal.ee/products/fido downloads page, in the setup section click the proper (Windows or Linux) link and follow the screen prompts.

Tracing with one Fido box

1. Connect the Fido box to your PC.
2. Connect the Fido box to the traced device. The box has two connectors (X1 and X2); the choice depends on the type of your cable.
3. Launch Fido program. Using the control panel resources, perform all the necessary configuring (in most cases the default settings would be fine). See Fido help for instructions.
4. Prepare to download and store the trace data. There are three options:
 - a. Run your own user application capable to retrieve and store the traces.
 - b. You may replace your application with a browser. For that connect the browser to Fido port 7654 (for example: <http://localhost:7654>).
 - c. Fido control panel has resources for organizing the data download. See Fido help for instructions.
5. When those steps are completed, Fido is ready to operate.

Tracing with several Fido boxes connected to the same single PC

1. With all the Fido boxes, perform steps 1 and 2 as specified above.
2. If the tracing streams from Fido boxes must stay in exact synchronization, connect boxes with synchronization cables (product code 48706). Connect your boxes into circle so that the connector X3 of each box gets connected to the next box X4.
3. Prepare to download and store the trace data as specified above.

Tracing with several Fido boxes connected to several PCs

1. Connect your Fido boxes to PCs and traced devices. If necessary, connect the boxes into synchronization circle.
2. Launch Fido program on all the PCs to which the Fido boxes are connected.
3. Select one of the Fido instances to operate as the Main Fido instance. Configure all the other (Slave) Fido instances to share their boxes (ports). On the Main Fido instance, establish connections to all the Slave Fido ports (boxes). See Fido help for instructions.
4. Configure the Main Fido instance, prepare to download and store the trace data as specified above, establish the connection to the Main Fido instance and start tracing.

Tracing with several Fido software instances running on the same PC

1. Connect your Fido boxes to PCs and traced devices as specified above.
2. To assign particular Fido box(es) to particular Fido software instances prepare the *.ini* configuration files. Instructions are on www.liewenthal.ee/products/fido.
3. Launch the Fido software instances, specifying the appropriate configuration file name on the command line.

Software support

www.liewenthal.ee/products/fido

Customer Survey

The enhancement of Fido system is continuing. In that regard, the users' feedback is very important. Please take a few minutes to fill out the survey form at www.liewenthal.ee/products/fido. Any comments, good and bad, are welcome and respected.

Legal notice

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Hardware warranty

PKC Electronics, the manufacturer of Fido box, warrants its products to be free from defects in material and workmanship for 24 months from date of purchase.

PKC shall, at its expense, repair defects or replace Debug and Trace Device, when defect occurred during normal use and within the warranty period.

Any Debug and Trace Device, which shows signs of alteration by anyone other than PKC or abuse, will invalidate this warranty.

Exclusions: this warranty does not apply to Debug and Trace Device damage caused by: Abuse, Negligence, Unauthorized repairs, and Normal wear.

Repair Service

Please contact PKC Electronics for possible repair service before returning the Debug and Trace Device.

Contact information for global service:

PKC Electronics Oy
Repair/ Service
Pajuniityntie 43
FIN-92120
RAAHE
FINLAND
VAT CODE: FI19156697
Phone: +358 8 2103 111
Fax: +358 8 2103 201
E-mail: service.electronics@pkcgroup.com
Contact person: Ms Anne Kankaanpää

For warranty returns, please use one of the following freight forwarders:

Global: DHL Express, account 965749310
Finland: Transpoint, account no 886119