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# OpenThread Sandbox Development Kit

## Introduction



...personal  
...portable  
...connected

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# Introduction

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## OpenThread Sandbox Development Kit

### **OpenThread Sandbox Development Kit**

Dialog Semiconductor's OpenThread Sandbox Development Kit is the first complete plug & play hardware and software development kit to enable the open source Thread networking protocol.

The OpenThread Sandbox Development kit, based on Dialog's SmartBond SoC family for Smart Home and IoT applications, will enable developers to evaluate the OpenThread protocol stack as available on [github.com/openthread](https://github.com/openthread). You now have the opportunity to contribute to the OpenThread development using actual Thread capable 802.15.4 silicon.

The OpenThread Sandbox Development Kit (DA15OPENTHREADSBDKT) consists of a development board, software and documentation.



# Features & applications

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## OpenThread Sandbox Development Kit



### Key features

- 802.15.4 SoC
- AQFN60 package
- SoC can be accessed over UART and/or JTAG with no additional external hardware
- Access on all GPIOs provided from the chip, when no sensor board is plugged in
- Current measurement point (pin header)
- Powered from either USB port or coin cell battery
- QSPI flash up to 96 MHz clock
- On-board printed inverted-F antenna
- Mechanical switch for conducted RF measurements
- Breakout headers for expansion and signal monitoring



# Features & applications

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OpenThread Sandbox Development Kit



## Applications

- Smart Home
- Smart Lighting
- Industrial Automation
- Consumer Appliances

# Software

## OpenThread Sandbox Development Kit



Product	SDK version	Release date
OpenThread Sandbox Development Kit	OpenThread SDK	Now available at <a href="http://support.dialog-semiconductor.com/connectivity">http://support.dialog-semiconductor.com/connectivity</a>

- Thread Stack (latest version from Nest) available on [github.com/openthread](https://github.com/openthread)



# More information

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OpenThread Sandbox Development Kit

Visit <http://support.dialog-semiconductor.com/connectivity> to download the software development kit and application notes.

Ask your question on our interactive OpenThread Sandbox development kit forum:  
<http://support.dialog-semiconductor.com/forums/openthread-sandbox>



# Powering the Smart Connected Future

[www.dialog-semiconductor.com](http://www.dialog-semiconductor.com)



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