



# Fast, flexible, and easy prototyping for IoT applications

Infiniteon's Shield2Go boards and My IoT adapter

[www.infineon.com/2go](http://www.infineon.com/2go)





# Infineon's Shield2Go boards and My IoT adapter

Easy evaluation for shorter time to market

Through semiconductors and innovation, Infineon makes growth possible. With its technologies, Infineon helps to create sustainable and stable IoT environments by providing solutions with advanced sensing capabilities through sensors, control and processing (microcontrollers), security, and efficient power management.

## Key benefits



**Faster prototyping and shorter time to market**



**Customized prototyping**



**Easy to connect to external systems**



**Flexible use**



**Cost savings - Arduino-ready at an attractive price**

## Prototyping has never been easier

Infineon's Shield2Go boards are equipped with featured Infineon ICs and provide a standardized form factor and pin layout for fast orientation. All boards come with solderless connectors allowing designers to stack the boards instead of soldering them. This makes the usage of the Shield2Go boards simple and flexible. In addition, each Shield2Go board comes with a dedicated and ready-to-use software library for Arduino.

The Shield2Go boards are compatible with Arduino Uno with Infineon's My IoT adapter. This combination of flexible hardware components and accompanying software speeds up the prototyping process. Designers now can select only those parts that the intended design and layout require, thus reducing the costs for a "box" or all-in-one solution of components that are rarely used in their entirety.

## Product overview

### Advanced sensing capabilities for edge devices



#### DPS310 Pressure Shield2Go

Featured product: XENSIV™  
pressure sensor DPS310  
OPN: S2GOPRESSUREDPS310TOBO1

Interfaces:



#### TLV493D 3DSense Shield2Go

Featured product: XENSIV™ magnetic  
position sensor TLV493D-A1B6  
OPN: S2GO3DSENSETLV493DTOBO1

Interfaces:



#### IM69D130 Microphone Shield2Go

Featured product: XENSIV™ MEMS  
microphone IM69D130  
OPN: S2GOMEMSMICIM69DTOBO1

Interfaces:



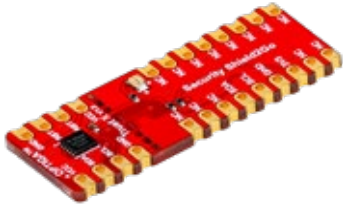
#### TLI4970 Current Sense Shield2Go

Featured product: XENSIV™ magnetic  
current sensor TLI4970-D050T4  
OPN: S2GOCURSENSETLI4970TOBO1

Interfaces:



## Trusted security solutions

**OPTIGA™ Trust X Security Shield2Go**

Featured product: OPTIGA™ Trust X SLS 32A1A  
 OPN: S2GOSECURITYOPTIGAXTOBO1

## Interfaces:

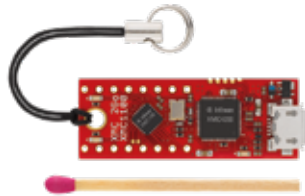
**OPTIGA™ Trust E Security Shield2Go**

Featured product: OPTIGA™ Trust E SLS 32A1A  
 OPN: S2GOSECURITYOPTIGAETOBO1

## Interfaces:



## Cross-application control

**XMC™ 2Go kit**

Featured product: XMC1100 (ARM® Cortex™-M0 based)  
 OPN: KITXMC2GOXMC1100V1TOBO1

## Interfaces:



## My IoT adapter board for Arduino



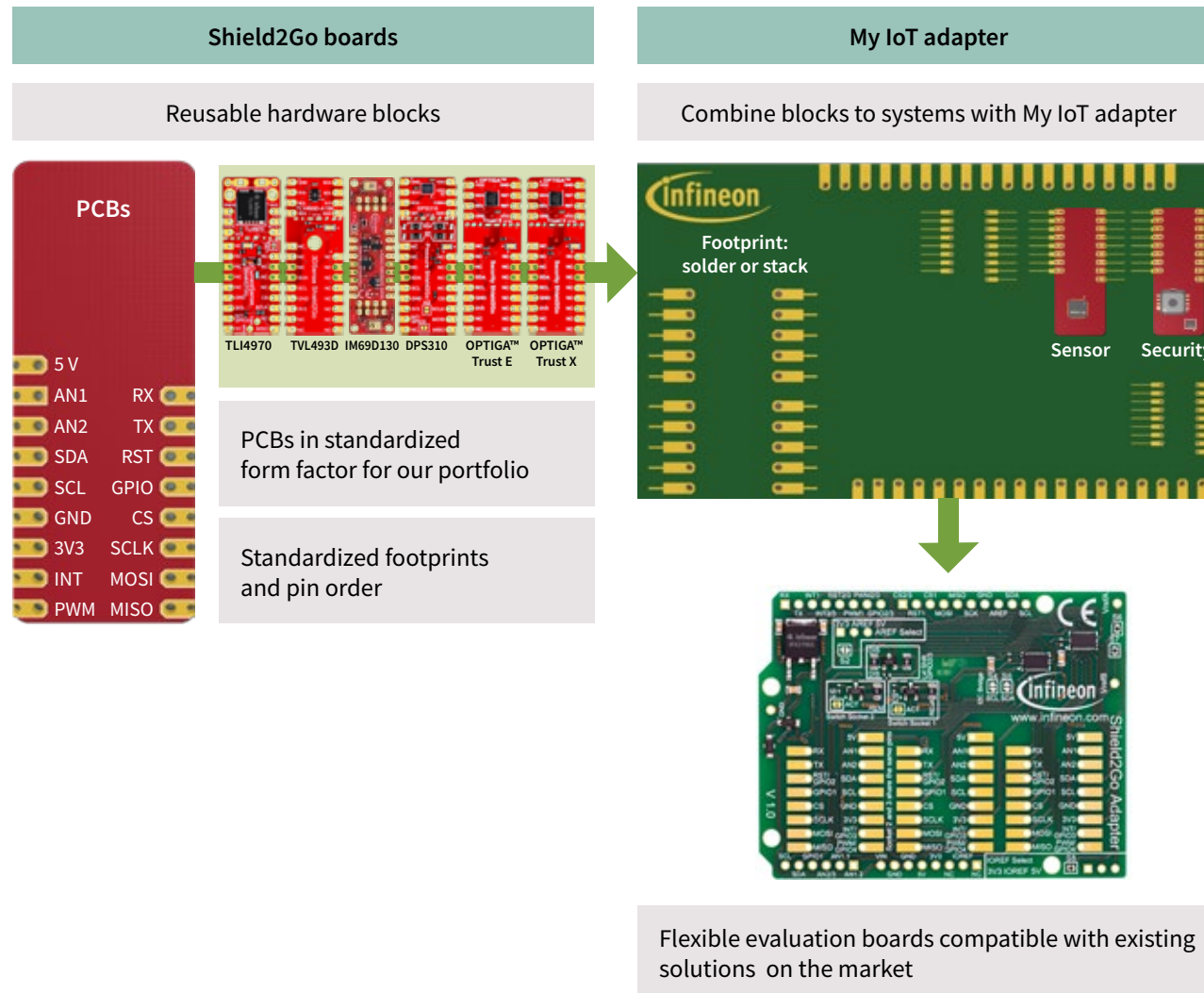
**The My IoT adapter board** enables designers to combine the Shield2Go boards into a system. Infineon's flexible evaluation boards are compatible with the existing solutions on the market.

My IoT adapters act as gateways to external hardware solutions such as Arduino, one of the most common IoT evaluation and prototyping platforms.

OPN: MYIOTADAPTERTOBO1

# Shield2Go boards and My IoT adapter

Concept for modular blocks of hardware



Maximum flexibility with minimum effort

The IoT market and environment consist of a range of different wireless connectivity technologies, offering varying benefits. In the end, it is the designer who decides which to use.

Infineon's new prototyping concept consists of a hardware and a software package that allows designers to quickly and efficiently set up the demonstration environment. The prototyping concept based on Shield2Go boards and My IoT adapters provides designers with the flexibility they seek.

Engineers can now develop their own, customized system solutions by selecting and combining Shield2Go boards in multiple ways based on their needs and use cases. Together with Infineon's My IoT adapter, they are able to easily connect to external systems.

## Where to buy

Infineon distribution partners and sales offices:  
[www.infineon.com/wheretobuy](http://www.infineon.com/wheretobuy)



Mobile product catalog  
Mobile app for iOS and Android.

## Service hotline

Infineon offers its toll-free 0800/4001 service hotline as one central number, available 24/7 in English, Mandarin and German.

- > Germany ..... 0800 951 951 951 (German/English)
- > China, mainland ..... 4001 200 951 (Mandarin/English)
- > India ..... 000 800 4402 951 (English)
- > USA ..... 1-866 951 9519 (English/German)
- > Other countries ..... 00\* 800 951 951 951 (English/German)
- > Direct access ..... +49 89 234-0 (interconnection fee, German/English)

\* Please note: Some countries may require you to dial a code other than "00" to access this international number.  
Please visit [www.infineon.com/service](http://www.infineon.com/service) for your country!

Published by  
Infineon Technologies Austria AG  
9500 Villach, Austria

© 2018 Infineon Technologies AG.  
All Rights Reserved.

Order Number: B138-I0613-V2-7600-EU-EC-P  
Date: 12/2018

### Please note!

THIS DOCUMENT IS FOR INFORMATION PURPOSES ONLY AND ANY INFORMATION GIVEN HEREIN SHALL IN NO EVENT BE REGARDED AS A WARRANTY, GUARANTEE OR DESCRIPTION OF ANY FUNCTIONALITY, CONDITIONS AND/OR QUALITY OF OUR PRODUCTS OR ANY SUITABILITY FOR A PARTICULAR PURPOSE. WITH REGARD TO THE TECHNICAL SPECIFICATIONS OF OUR PRODUCTS, WE KINDLY ASK YOU TO REFER TO THE RELEVANT PRODUCT DATA SHEETS PROVIDED BY US. OUR CUSTOMERS AND THEIR TECHNICAL DEPARTMENTS ARE REQUIRED TO EVALUATE THE SUITABILITY OF OUR PRODUCTS FOR THE INTENDED APPLICATION.

WE RESERVE THE RIGHT TO CHANGE THIS DOCUMENT AND/OR THE INFORMATION GIVEN HEREIN AT ANY TIME.

### Additional information

For further information on technologies, our products, the application of our products, delivery terms and conditions and/or prices, please contact your nearest Infineon Technologies office ([www.infineon.com](http://www.infineon.com)).

### Warnings

Due to technical requirements, our products may contain dangerous substances. For information on the types in question, please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by us in a written document signed by authorized representatives of Infineon Technologies, our products may not be used in any life-endangering applications, including but not limited to medical, nuclear, military, life-critical or any other applications where a failure of the product or any consequences of the use thereof can result in personal injury.



## Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

### Наши контакты:

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331