Products   Applications   Tools   About Infineon   Discoveries   Careers

- Standard Global Shipping

S2GO PRESSURE DPS310

Overview
Parametrics
Documents
Order
Support
Overview
Parametrics
Documents
Order
Support
Overview
Parametrics
Documents
Order
Support

Description:

Infineon's 2Go boards offer a unique customer and evaluation experience – the boards are equipped with one DPS310 barometric pressure sensor and come with a ready to use Arduino library. Customers can now develop their own system solutions by combining 2Go boards together with Infineon MyIoT adapters. MyIoT adapters are gateways to external hardware solutions like Arduino and Raspberry PI, which are popular IoT hardware platforms. All this enables the fastest evaluation and development of IoT system.

Summary of Features:

- Ultra-high +/-0.005 hPa resolution (equating to +/-5 cm)
- Very good temperature stability due to a linear temperature dependency. Relative accuracy ±0.06 hPa
- Integrated FIFO can store up to 32 pressure/temperature measurements, which enables energy savings on system level
- Optimized energy usage (fully configurable precision and measurement rate)
- Wide pressure operation range 300hPa – 1200hPa
- 3um current consumption in low power mode
- Temperature accuracy ±0.5°C
- Free and easy download of Arduino libraries
- 2Go boards can be easily combined to systems by using MyIoT adapters

Target Applications:

- Smart home
- Wearables (sport & fitness tracking)
- Drones
- Indoor and outdoor navigation
- Accurate altitude metering
- Weather forecast and storm warning
- IoT applications
- HDDs

Parametrics

Parametrics	S2GO PRESSURE DPS310
Configuration	DPS310
Description	S2Go_Pressure_DPS310 is an Arduino shield including DPS310. It comes together with Arduino library and it is pin-to-pin compatible with Infineon XMC2Go MCU board and can be easily connected to different Arduino boards by using Infineon Shield 2Go Adapter.
Family	Sensor
Input Type	DC
Product Description	Arduino shield with DPS310
Qualification	Consumer
Target Application	Consumer
Type	Evaluation Board

Documents

+ Expand all

+ Getting Started

+ Application Brochure

Order

Sales Product Name	S2GO PRESSURE DPS310
OPN	S2GOPRESSUREDPS310TOBO1
Product Status	active and preferred
Package name	
Order online	Buy online
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER
Moisture Level	

Sales Product Name	S2GO PRESSURE DPS310
Moisture Packing	NON DRY

Support

Live Chat Online 在线支持	Technical Assistance Center 技术支持中心（TAC）	Call us Toll Free 免费热线联系我们

Find an answer to your question

Please state your question (with at least 3 words)

FAQ

1. 3D Image Sensor [CN] [DE]
2. Request for pressure sensors (only SP, SAR products) [CN] [DE]
3. Silicon Microphone [CN] [DE]
4. What are the IM69D XENSIV Silicon Microphones designed for? [CN] [DE]
5. Radar chips [CN] [DE]
6. Chip Card and Security Distis [CN] [DE]

Technical Assistance Center (TAC)

Infineon welcomes your comments and questions.

If you have any questions concerning our products, please fill out the following form. Your inquiry will be sent to the appropriate specialist who will be in touch with you as soon as possible.

You will receive a confirmation E-mail to validate your address in our system. Any attached file to the reply which will help to support your inquiry is highly appreciated.

First Name*	
Last Name*	
E-Mail*	
Phone	
Company*	
Company website (URL)	
Industry*	[please select]
Other Industry	
Country / Territory*	[please select]
Preferred Distributor / Reseller*	[please select]

Other Distributor / Reseller	
Product Name*	S2GO PRESSURE DPS310
Estimated annual production volume (pieces) per year*	[please select] ▼
Please post your technical question as detailed as possible*	
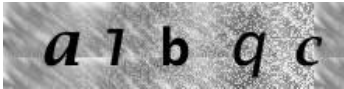
I agree to the processing of my personal data according to the › privacy policy.* ☐

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Support forum

Microcontroller

Please visit the Infineon forums: www.infineonforums.com

		Last Post
Microcontroller Forum Microcontroller Forum	Threads: 2,947 Posts: 9,788	Triboard TC277TF ▶▶ by abhilash Today, 03:23 AM
XMC Forum	Threads: 2,109 Posts: 7,585	XMC ECAT0 Alias ▶▶ by xyyeh Sep 7th, 2018, 01:46 PM
XC800 Forum	Threads: 73 Posts: 237	XC878 flash unprotect without... ▶▶ by AnandG Mar 5th, 2018, 10:50 AM
XE166/XC2000 Forum	Threads: 168 Posts: 500	XE169H ADC Limit Checking ▶▶ by Taha Aug 10th, 2018, 02:56 AM
TriCore Forum	Threads: 445 Posts: 1,163	Assembly extended register ▶▶ by jonnyx Sep 7th, 2018, 10:26 AM
32-bit Embedded Power ICs based on ARM Cortex-M Infineon Embedded Power ICs are specifically designed to enable mechatronic motor control solutions for a range of motor control applications, where a small package form factor and a minimum number of external components are essential. Our System-on-Chip solutions offer an unmatched level of integration required to sense, control and actuate a motor.	Threads: 29 Posts: 109	Questions about phase... ▶▶ by rockyMin Aug 15th, 2018, 07:10 PM

				Last Post
	DAVE™ Forum DAVE™ Forum		Threads: 1,437 Posts: 5,534		**DAVE Webcast - Getting started** by jferreira Sep 6th, 2018, 05:00 AM

				Last Post
	NovalithIC/TrilithIC NovalithICTM/TrilithICTM provides a complete low-ohmic-protected half-bridge/H-bridge in a single package. The product can be used as the interface between the microcontroller and the motor, equipped with diagnostic and protection functions. Due to the flexibility of the concept, they can address both DC and BLDC motors.		Threads: 5 Posts: 5		**Product Infomation** by Jing.N Jul 2nd, 2018, 08:33 AM
	NovalithIC(Automotive)		Threads: 2 Posts: 2		**Frequently asked questions** by Jing.N Jul 2nd, 2018, 08:25 AM
	TrilithIC(Automotive)		Threads: 2 Posts: 2		**Frequently asked questions** by Jing.N Jul 2nd, 2018, 06:53 AM
	IFX007T(Industry)		Threads: 1 Posts: 1		**Product Infomation** by Jing.N Jul 2nd, 2018, 08:33 AM

				Last Post
	POWER MOSFET Infineon's whole range of power MOSFETs and systems enable innovation and performance in your application, like switch mode power supplies (SMPS), computing, motor control and drives, consumer, mobile devices, lighting solutions, automotive and more.		Threads: 89 Posts: 206		**Using infineon models in Orcad** by forix Sep 3rd, 2018, 12:26 AM

				Last Post
	Applications Applications		Threads: 48 Posts: 130		**Cleanflight version of...** by colin111111 Aug 29th, 2018, 10:58 PM
	iMOTION™ MADK Platform Complete and scalable system solution for motor drives. Get a Motor running in less than 1 hour with a compact and flexible 3-phase motor drive evaluation platform with controller & IPM, sensorless or optional with sensors.		Threads: 16 Posts: 39		**MCTROOL V2 with IRMCK099 and...** by Gintaras May 11th, 2018, 05:13 AM

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