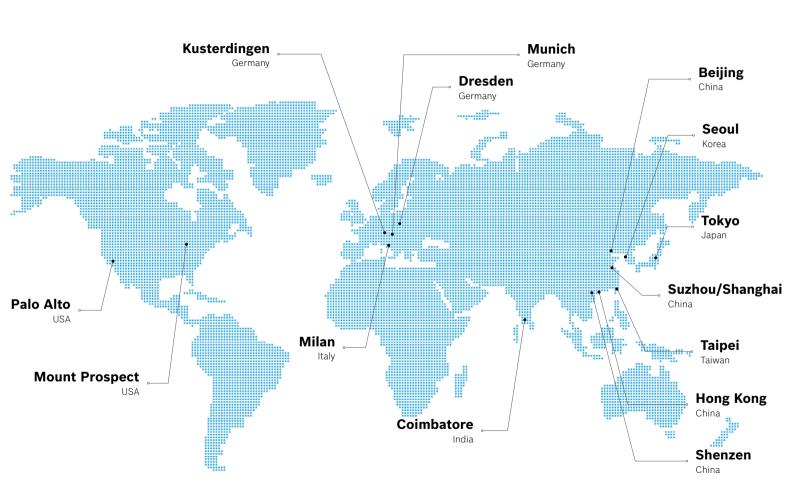


Sensing our world

PRODUCT OVERVIEW





Bosch Sensortec – At the core of your everyday life

Our broad and unique component, software and system offerings make us your preferred partner

Inertial Sensors

Our portfolio of motion sensors includes products for motion, orientation and gesture detection. Motion sensors are designed for several consumer electronics and IoT applications in the field of smartphones, wearables, smart home, drones, toys, virtual and augmented reality, gaming, as well as industrial applications.

Smart Sensors

Our portfolio of intelligent sensor hubs is specifically designed for always-on sensor applications in smartphones, wearables and tracking devices. It offers you flexible, low-power solutions for motion sensing and sensor data processing. Additionally, the family of Application Specific Sensor Nodes (ASSNs) provides you an intelligent 9-axis "Absolute Orientation Sensor", including an accelerometer, gyroscope, magnetometer and a microcontroller running the BSX sensor data fusion in a single package. ASSNs are designed as a turnkey solution for applications such as robotics, drones, virtual reality and other industrial applications.



Environmental Sensors

Our portfolio of environmental sensors includes barometric pressure sensors, as well as integrated environmental sensors. These integrated environmental sensors combine barometric pressure, relative humidity, gas and ambient temperature sensing functions. Environmental sensors are ideally suited for indoor air quality measurement, sport & fitness monitoring, weather forecast, home automation control, Internet of Things, GPS-enhancement and indoor navigation.

Acceleration Sensors



The BMA is an advanced, ultra-small, triaxial, low-g acceleration sensor with digital interfaces, targeted for low-power applications. Featuring different digital resolutions (8 bit, 10 bit, 12 bit, 14 bit and 16 bit), the BMA family allows for very low-noise measurement of accelerations in three perpendicular axes and thus senses tilt, motion, shock and vibration in smartphones, man machine interfaces, wearables, smart home, as well as industrial applications. The BMA4XY family integrates embedded intelligence which enables precise low current step-counting and a multitude of other always on features. The BMA423 and BMA456 fit perfectly into wearable devices.

Product	Digital resolution	Range and sensitivity	Zero-g offset (typ.)
BMA222E	8 bit	±2g: 64LSB/g ±4g: 32LSB/g ±8g: 16LSB/g ±16g: 8LSB/g	±100 mg
BMA250E	10 bit	±2g: 256LSB/g ±4g: 128LSB/g ±8g: 64LSB/g ±16g: 32LSB/g	±80 mg
BMA255	12 bit	±2g: 1024LSB/g ±4g: 512LSB/g ±8g: 256LSB/g ±16g: 128LSB/g	±60 mg
BMA253	12 bit	±2g: 1024LSB/g ±4g: 512LSB/g ±8g: 256LSB/g ±16g: 128LSB/g	±80 mg
BMA280	14 bit	±2g: 4096LSB/g ±4g: 2048LSB/g ±8g: 1024LSB/g ±16g: 512LSB/g	±50 mg
BMA423	12 bit	±2g: 1024LSB/g ±4g: 512LSB/g ±8g: 256LSB/g ±16g: 128LSB/g	±80 mg
BMA456	16 bit	±2g:16384LSB/g ±4g: 8192LSB/g ±8g: 4096LSB/g ±16g: 2048LSB/g	±20 mg

Product	Noise density (typ.)	Bandwidths	Interfaces	Temperature range	Supply voltage	LGA packa- ge (mm³)	FIFO	Features/ Interrupts	Power
BMA222E	600µg/√Hz	8 Hz 1000 Hz	SPI & I ² C, 2×digital interrupt pins	−40 +85 °C	VDD: 1.62 3.6 V VDDIO: 1.2 3.6 V	2.0×2.0×0.95	32 Frames	➤ Any-/no-motion ➤ Freefall ➤ Orientation/Flat ➤ Low-g/High-g ➤ Tab/Double Tab	Full operation: 130 μA (@ 2 kHz data rate) Low-power mode: 6.5 μA (@ 40 Hz data rate)
BMA250E	400 μg/√Hz	8 Hz 1000 Hz	SPI & I ² C, 2×digital interrupt pins	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.2 3.6V	2.0×2.0×0.95	32 Frames	➤ Any-/no-motion ➤ Freefall ➤ Orientation/Flat ➤ Low-g/High-g ➤ Tab/Double Tab	Full operation: 130 μA (@ 2 kHz data rate) Low-power mode: 6.5 μA (@ 40 Hz data rate)
BMA255	150µg/√Hz	8 Hz 1000 Hz	SPI & I ² C, 2×digital interrupt pins	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.2 3.6V	2.0×2.0×0.95	32 Frames	➤ Any-/no-motion ➤ Freefall ➤ Orientation/Flat ➤ Low-g/High-g ➤ Tab/Double Tab	Full operation: 130 μA (@ 2 kHz data rate) Low-power mode: 6.5 μA (@ 40 Hz data rate)
BMA253	220μg/√Hz	8 Hz 1000 Hz	SPI & I ² C, 2×digital interrupt pins	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.2 3.6V	2.0×2.0×0.95	32 Frames	➤ Any-/no-motion ➤ Freefall ➤ Orientation/Flat ➤ Low-g/High-g ➤ Tab/Double Tab	Full operation: 130 μA (@ 2 kHz data rate) Low-power mode: 6.5 μA (@ 40 Hz data rate)
BMA280	120µg/√Hz	8 Hz 500 Hz	SPI & I ² C, 2×digital interrupt pins	-40 +85 °C	VDD: 1.62 3.6 V VDDIO: 1.2 3.6 V	2.0×2.0×0.95	32 Frames	➤ Any-/no-motion ➤ Freefall ➤ Orientation/Flat ➤ Low-g/High-g ➤ Tab/Double Tab	Full operation: 130 μA (@ 2 kHz data rate) Low-power mode: 6.5 μA (@ 40 Hz data rate)
BMA423	140 µg/√Hz	5 Hz 684 Hz (ODR: 0.8 Hz 1600 Hz)	SPI & I ² C, 2×digital interrupt pins	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.2 3.6V	2.0×2.0×0.95	1KB	➤ Step Counter/Step detector (optimized for wearables) ➤ Step Counter watermark ➤ Tilt on wrist ➤ Tab/Double Tab ➤ Any-/no-motion	Full operation: 150 µA Low-power mode:13 µA (@ 50 Hz data rate)
BMA456	120µg/√Hz	5 Hz 684 Hz (ODR: 0.8 Hz 1600 Hz)	SPI & I ² C, 2×digital interrupt pins	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.2 3.6V	2.0×2.0×0.65	1KB	➤ Step Counter/Step detector (optimized for wearables) ➤ Step Counter watermark ➤ Tilt on wrist ➤ Tab/Double Tab ➤ Any-/no-motion	Full operation: 150 µA Low-power mode:13 µA (@ 50 Hz data rate)

Gyroscopes

The BMG is an ultra-small, digital 3-axis angular rate sensor with a measurement range up to 2000 °/s and a digital resolution of 16 bit. The BMG family allows low-noise measurement of angular rates in three perpendicular axes and is designed for use in smartphones, handhelds, computer peripherals, man-machine interfaces, virtual reality features, remote and game controllers.





Product	Digital reso- lution	Range and sensitivity	Zero-g offset (typ., over life-time)	Zero-rate offset over tempera- ture	Noise density (typ.)	Date rates (program- mable)	Interfaces	Tempera- ture range	Supply voltage	LGA package (mm³)	Power
BMG160	16 bit	±125°/s:262.4LSB/°/s ±250°/s:131.2LSB/°/s ±500°/s: 65.6LSB/°/s ±1000°/s: 32.8LSB/°/s ±2000°/s: 16.4LSB/°/s	±1°/s	0.015°/s/K	0.014 °/s/√Hz	2000, 1000, 400, 200, 100 Hz	SPI, I ² C, 2× digital interrupts	-40 +85°C	VDD: 2.4 3.6 V VDDIO: 1.2 3.6 V	3.0×3.0 ×0.95	Full operation: 5.0 mA Suspend mode: 5 µA
BMG250	16 bit	±125°/s:262.4LSB/°/s ±250°/s:131.2LSB/°/s ±500°/s: 65.6LSB/°/s ±1000°/s: 32.8LSB/°/s ±2000°/s: 16.4LSB/°/s	±3°/s	0.05°/s/K	0.007 °/s/√Hz	25 3.200 Hz for UI IF 6.400 Hz for OIS/EIS IF	For primary UI IF: I ² C up to 1 MHz 3w / 4w SPI 2×digital interrupts for se- condary OIS/EIS IF: 3w SPI up to 10 MHz	-40 +85°C	VDD: 1.7 3.6V VDDIO: 1.2 3.6V	2.5×3.0 ×0.8	Full operation: 850 µA Suspend mode: 3 µA

Geomagnetic Sensors

The BMM is a low-power and low-noise 3-axis digital geomagnetic sensor to be used in compass applications, which include virtual reality, gaming and navigation on devices such as smartphones, tablets and robotics requiring magnetic heading information.



Product	Digital resolution	Zero-B offset	Magnetic range (typ.)	Digital interfaces	Temperature range	Average current consumption	Package (mm³)	Supply voltage
BMM150	0.3 μΤ	±40 μT	±1300 μT (x,y-axis) ±2500 μT (z-axis)	I ² C and SPI (2 interrupt pins)	−40 +85 °C	170 µA (low-power preset) 500 µA (normal mode)	CSWLP- (12 pin) 1.56×1.56×0.6	VDD: 1.62 3.6V VDDIO: 1.2 3.6V

eCompass

The BMC is an extremely small low-power and low-noise 6-axis digital compass. It measures the earth's geomagnetic field, as well as dynamic and static acceleration in all three dimensions and outputs tilt-compensated heading or orientation information. Due to its small package size and its advanced power management, the BMC is ideally suited for navigation applications or motion tracking in handheld devices like smartphones, tablets, notebooks, man-machine interfaces and game controllers.



Product	Acceleration								
	Digital resolution	Range	Sensitivity	Zero-g offset (typ.)	Noise density (typ.)				
BMC150	12 bit	±2g ±4g ±8g ±16g	±4%	±80 mg	150µg/√Hz				
BMC156	12 bit	±2g ±4g ±8g ±16g	±4%	±80 mg	150µg/√Hz				

Product	Geomagnetic		Temperature range	Supply voltage	Digital inputs/outputs	Power consumption	LGA package (mm³)		
	Digital resolution	Range							
BMC150	0.3μΤ	±1300 μT (x-,y-axis) ±2500 μT (z-axis)	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.20 3.6V	I ² C, SPI (3/4wire) 1 interrupt pin (accel) 1 data ready pin (magnet)	pt pin (accel) Low-power mode: 190 µA @10 Hz			
BMC156	0.3μΤ	±1300 μT (x-,y-axis) ±2500 μT (z-axis)	-40 +85 °C	VDD: 1.62 3.6V VDDIO: 1.20 3.6V	I ² C, SPI (3/4wire) 1 interrupt pin (accel) 1 data ready pin (magnet)	Full operation: 540 µA @10Hz Low-power mode: 190 µA @10Hz	2.2×2.2×0.95		

Inertial Measurement Units

The BMI allows very low-noise measurement of angular rates and accelerations in three perpendicular axes and thus senses tilt, motion, shock and vibration in smartphones, handheld devices, computer peripherals, man-machine interfaces, remote and game controllers.





* Qeexo FingerSense Compatible

Product	Acceleration	Acceleration								
	Digital resolution	Range and sensitivity	Zero-g offset (typ.)	Noise density (typ.)						
ВМІ055	12 bit	±2g: 1024LSB/g ±4g: 512LSB/g ±8g: 256LSB/g ±16g: 128LSB/g	±70 mg	150µg/√Hz						
BMI160*	16 bit	±2g:16384LSB/g ±4g: 8192LSB/g ±8g: 4096LSB/g ±16g: 2048LSB/g	±40 mg	180µg/√Hz						

Product	Gyroscope				Temperature range	Supply voltage	Digital inputs/ outputs	Power consumption	LGA package (mm³)
	Digital resolution	Range and sensitivity	Zero-g offset (typ.)	Noise density (typ.)	runge		Catputs		(<i>)</i>
ВМІ055	16 bit	±125°/s:262.4LSB/°/s ±250°/s:131.2LSB/°/s ±500°/s: 65.6LSB/°/s ±1000°/s: 32.8LSB/°/s ±2000°/s: 16.4LSB/°/s	262.4LSB/°/s ±1°/s 0.03 131.2LSB/°/s 65.6LSB/°/s 32.8LSB/°/s		-40 +85 °C	VDD: 2.4 3.6V VDDIO: 1.2 3.6V	SPI, I ² C, 4×digital inter- rupts	Full operation: 5.15 mA Suspend mode: 6 µA	3.0×4.5×0.95
BMI160*	16 bit	#125°/s:262.4LSB/°/s #10°/s 0.007°/s/\Hz #250°/s:131.2LSB/°/s #500°/s: 65.6LSB/°/s #1000°/s: 32.8LSB/°/s #2000°/s: 16.4LSB/°/s		-40 +85°C	VDD: 1.71 3.6V VDDIO: 1.2 3.6V	SPI, I ² C, 4×digital inter- rupts	Full operation: 950 µA Suspend mode: 3 µA	2.5×3.0×0.8	

Absolute Orientation Sensors

The BMX is a small, 9-axis sensor, consisting of a triaxial acceleration sensor, a triaxial gyroscope and a triaxial geomagnetic sensor. The BMX allows accurate measurement of angular rate and magnetic fields in three perpendicular axes within one device. With its ultra-small footprint, the BMX is unique in the class of low-noise 9-axis measurement units. The BMX is designed for motion detection applications, such as device orientation measurement, gaming, human machine interfaces, wearables, AR/VR and robotics.





Product	Acceleration				Gyroscope				
	Digital resolution	Range and sensitivity	Zero-g offset (typ.)	Noise density (typ.)	Digital resolution	Range and sensitivity	Zero-g offset (typ.)	Noise density (typ.)	
ВМХ055	12 bit	±2g: 1024LSB/g ±4g: 512LSB/g ±8g: 256LSB/g ±16g: 128LSB/g	±70mg	180 µg/√Hz	16 bit	±125°/s: 262.4LSB/°/s ±250°/s: 131.2LSB/°/s ±500°/s: 65.6LSB/°/s ±1000°/s: 32.8LSB/°/s ±2000°/s: 16.4LSB/°/s	±1°/s	0.008°/s/√Hz	
BMX160*	16 bit	±2 g:16384 LSB/g ±4 g: 8192 LSB/g ±8 g: 4096 LSB/g ±16 g: 2048 LSB/g	±40 mg	180 µg/√Hz	16bit	±125°/s: 262.4LSB/°/s ±250°/s: 131LSB/°/s ±500°/s: 65.6LSB/°/s ±1000°/s: 32.8LSB/°/s ±2000°/s: 16.4LSB/°/s	±3°/s	0.007°/s/√Hz	

Product	Geomagnetic			Temperature range	Supply voltage	Digital inputs/ outputs	Power consumption	LGA package (mm³)	
	Resolution	Range	Offset			outputs			
ВМХ055	0.3μΤ	±1200 μT (x,y), ±2500 μT (z)	±40 μT	−40 +85°C	VDD: 2.4 3.6V VDDIO: 1.2 3.6V	I ² C/SPI interface	Full operation: Gyro. + Acc. + Geomag. 1585 µA Suspend mode: 7 µA	3.0×4.5×0.95	
BMX160*	0.3 μΤ	±1300 μT (x,y axis), ±2500 μT (z axis)	±2μT	-40 +85°C	VDD: 1.71 3.6V VDDIO: 1.2 3.6V	I ² C/SPI interface	Full operation: Gyro. + Acc. + Geomag. 1585 µA Suspend mode: 7 µA	2.5×3.0×0.95	

^{*}Product is coming soon. Data and specifications are preliminary and subject to change without notice.



Application Specific Sensor Nodes (ASSNs)

The ASSN is a System-in Package (SiP) solution, integrating a triaxial 14 bit accelerometer, a triaxial 16 bit gyroscope, a triaxial geomagnetic sensor and a 32 bit cortex M0+ microcontroller. The ASSNs are suitable for applications such as robotics, augmented and virtual reality, drones, gaming, as well as other industrial applications.



Product	Acceleration	Gyroscope	Geomagnetic	Hardware	Fusion SW	Power consumption	Interfaces	Voltage	Temperature range	Package size (mm³)
BMF055	14 bit	16bit	±1300 μT (x,y-axis) ±2500 μT (z-axis)	ARM Cortex M0+	no	Depends on the custom specific sensor fusion	I ² C UART HID-I2C	VDD 2.4 3.6 V VDDIO: 1.7 3.6 V	-40 +85 °C	3.8×5.2×1.13
BNO055	14 bit	16bit	±1300 µT (x,y-axis) ±2500 µT (z-axis)	ARM Cortex M0+	yes	Suspend mode: 40 µA 9DOF @100Hz Output data rate: 12.3 mA	I ² C UART HID-I2C	VDD 2.4 3.6 V VDDIO: 1.7 3.6 V	-40 +85°C	3.8×5.2×1.13

Smart Hubs

The smart sensor hub is a small, low-power smart-hub with an integrated IMU and a triaxial accelerometer plus a program-mable microcontroller containing pre-installed software and specific algorithms for activity recognition, it is specifically designed to enable always-on motion sensing. It perfectly matches the requirements of smartphones, wearables or any other application which demands highly accurate, real-time motion data at a very low-power consumption level.





Pro	oduct	Acceleration	Gyro- scope	Geomagnetic	Integrated MCU	Integrated SW & Algos	Power consumption (including MCU)	Inter- faces	Supply voltage	Temperature range	Package size (mm³)
ВН	IA250	14 bit	n/a	Ready for p&p hub- connectivity of BMM150, AK09911, AK09912, YAS532	32 bit floating-point ARC EM4 MCU run- ning at 10 MHz. 96 kByte ROM 48 kByte RAM	BSX fusion Activity recognition Gesture recognition Step detector Step counter	Suspend mode: 11 µA Hub+Acc @100 Hz ODR: 430 µA	I ² C up to 3.4 MBit/s 3×GPIO, 1×Host-INT	VDD: 1.71 3.6V VDDIO: 1.20 3.6V	-40 +85°C	2.2×2.2 ×0.95
вн	II160	16 bit	16 bit	Ready for p&p hub- connectivity of BMM150, AK09911, AK09912, YAS532	32 bit floating-point ARC EM4 MCU run- ning at 10 MHz. 96 kByte ROM 48 kByte RAM	BSX fusion Activity recognition Gesture recognition Step detector Step counter	Suspend mode: 11 µA Hub+IMU @100 Hz ODR: 1.2 mA	I ² C up to 3.4 MBit/s 3×GPIO, 1×Host-INT	VDD: 1.71 3.6V VDDIO: 1.20 3.6V	-40 +85 °C	3.0×3.0 ×0.95

Barometric Pressure Sensors

The BMP280 is an absolute barometric pressure sensor especially designed for mobile applications. The sensor module is housed in an extremely compact package. Its small dimensions and low-power consumption allow for the implementation in battery powered devices such as smartphones, GPS modules, wearables, drones and tracking systems.



Product	Operation range	Relative accuracy 700900 hPa (Temperature = +25+40°C)	Absolute accuracy (0+65°C)	Power consumption	Supply voltage	Noise	Long term stability (1 year)	тсо	Inter- face	Package dimensions (mm³)
BMP280	300 1100 hPa	±0.12 hPa (±1 m)	±1 hPa (typical)	2.74 µA, typical (ultra-low power mode) sleep mode: 0.1 µA	VDDIO: 1.2 3.6V VDD: 1.71 3.6V	0.2 Pa (eqv. to 1.7 cm)	±1 hPa	±1.5 Pa/K	I ² C and SPI	8-Pin LGA with metal 2.0×2.5×0.95

Integrated Environmental Units

The BME280 is an integrated environmental sensor developed specifically for IoT applications where size and low-power consumption are key design constraints. The unit combines individual high linearity, high accuracy sensors for pressure, humidity and temperature.



Product	t Humidity				Pressure				Interface	Power	Package dimensions	
	Range	Response time (T _{0-63%})	Accuracy tolerance	Hysteresis	Range	RMS noise	тсо	Relative accuracy			(mm³)	
BME280	0 100 % rH	1s	±3% relative humidity	≤1 % relative humidity	300 1100 hPa	0.2 Pa (equiv. to 1.7 cm)	±1.5 Pa/K	±0.12 hPa (±1 m)	I ² C and SPI	Sleep mode 0.1 µA -1.8 µA @ 1 Hz (H, T) -3.6 µA @ 1 Hz (H, P, T)	2.5×2.5×0.93	

The BME680 is an integrated environmental sensor developed specifically for mobile applications and wearables where size and low-power consumption are key requirements. The unit integrates for the first time low-power and highly accurate gas, pressure, humidity and temperature sensors in one tiny package.



Product	Gas (VOC)			Humidity			Pressure		Temperature	Inter- face	Power	Package dimensions	
	Range	Response time	Power consumption	Range	Response time (T _{0-63%})	Accuracy toleran- ce	rracy Range Relative Absolute			(mm³)			
BME680	0 500 IAQ (equivalent to 0.2 20mg/ m³ TVOC levels)	<1 s for new sensors	Ultra-low power mode (ULP): <0.1 mA Low-power mode (LP): <1 mA	0 100 % rH	8s	±3 % relative humidity	300 1100 hPa	±0.12 hPa (±1m)	± 0.5 °C	I ² C and SPI	2.1 μA @ 1 Hz (H, T) 3.1 μA @ 1 Hz (P, T) 3.7 μA @ 1 Hz (H, P, T) 0.09-12 mA for P/H/T/Gas depending on operation mode 0.15 μA in sleep mode	3.0 x 3.0 x 0.93	

Sensor Data Fusion Software & Features

In order to support shorter time to market and architectures with varied power requirements, we provide a fully integrated software library "BSX" in BNO055 and BHI160 products. BSX features step counter, tilt detector, activity recognition, gestures, pedestrian dead reckoning and a multitude of other functionalities. It is able to deliver extreme low-power consumption even for always-on applications such as activity recognition and supports different wakeup and non-wakeup batching sizes from sensor hubs. The BSXlite software is a feature reduced version of our BSX software and is available for a free download from our website for a quick prototype development with sensors such as BMI160 and BMM150.

Product	Key Features										
	Axis remap- ping	Offset cor- rection	Soft Iron Correc- tion	Acceler- ometer calibration	Magnetometer calibration	Magnetic disortion check	Gyroscope calibra- tion	9-axis orientation processing	Compass orientation processing	Data fusion models	
BSXlite (as web-download)	х	√	х	х	Classic: based on figure-of-eight motion	Basic	√	Basic	Basic (tilt com- pensation)	9-axis	
BSX (full library) in BHI/ BNO	√	√	√	√	Classic advanced (fast calibration)	Advanced	√	Advanced	Advanced (adap- tive filtering, tilt compensation)	9-axis & 6-axis (IMU, M4G, eCompass)	

Product	Outputs	Outputs									
	Acceleration	Magnetom- eter	Gyroscope	Virtual gyro- scope (M4G)	Quaterni- ons	Orientation	Rotation matrix	Heading accuracy	Linear accel- eration	Gravity	
BSXlite (as web-download)	Raw	Raw, corrected	Raw, corrected	х	√	√ (unfiltered)	х	√	х	х	
BSX (full library) in BHI/ BNO	√	√	√	√	V	√	√	√	√	√	

Product	Product				Output date rates (ODR)				
		Gestures	Step counter and step detector	Significant motion	Accelerometer	Magnetometer	Gyroscope		
BSXlite (as	BSXlite (as web-download)		x (in BMI160 Hardware)	x (in BMI160 Hardware)	100 Hz	25Hz	100 Hz		
BSX (full library) in BHI/ BNO		√	√	√	Multiple data rates	Multiple data rates	Multiple data rates		

BSEC Software & Features

The Bosch Software Environmental Cluster (BSEC) fusion library has been conceptualized to provide higher-level signal processing and fusion for the BME680. The library receives compensated sensor values from the sensor API. It processes the BME680 signals in combination with the additional phone sensors to provide the requested sensor outputs.

Product	Key features	Key features				Output				Output data rates (ODR)			
	Calculation of ambient air tempera- ture outside the device	Calculation of ambient relative humidity outside the device	Calculation of pressure outside the device	Calculation of indoor air quality (IAQ) level outside the device	Gas	Humidity	Pressure	Tempera- ture	Gas	Humidity	Pressure	Tem- perature	
BSEC (as web-download)	√ ·	√	√	√	IAQ index 0 500 Raw resistance	Relative humidity, corrected	Raw, corrected	Raw, corrected		wer mode (ULP mode (LP) 0.33			

Application Boards

Our application board 2.0 is a versatile, demonstration and evaluation environment for our sensor products. It can be used to configure sensor parameters, plot and log the resulting sensor readings by means of PC based software (Development desktop). Sensor data can be read-out, displayed and captured on the attached PC.

Our application board 2.0 applies a flexible shuttle-board concept. All sensor shuttle boards have identical footprints and can be plugged into the application board's shuttleboard socket.













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