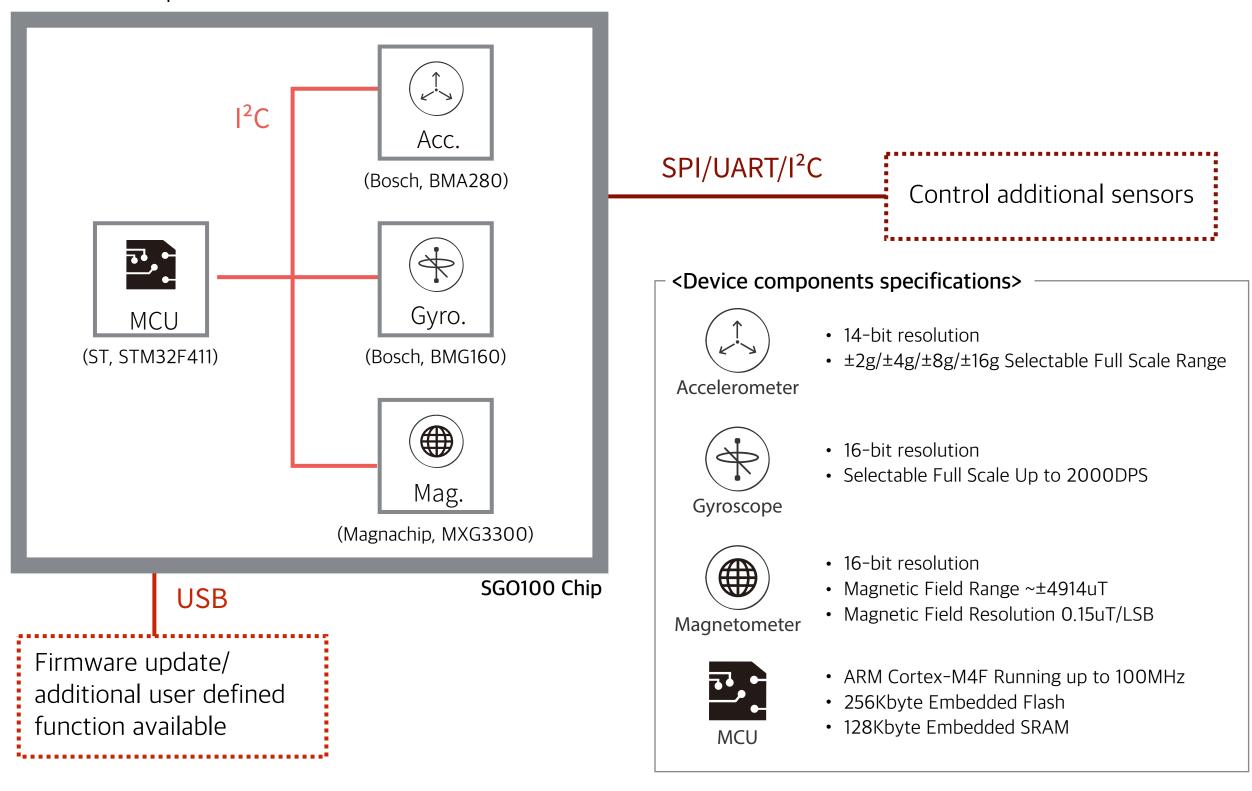
## SGO 100 (One-chip sensor platform with 9-axis sensor fusion)

## ▶ Hardware Specifications



## Variations for each application

Mode Variation Operation				Descible Applications	Footures	
(current consumption measuring condition: MCU running in 48MHz & sensor full operation)	MCU	Α	G	М	Possible Applications	Features
1 Power-down Mode (current consumption: TBD, 44μΑ)					-	- Extreme low-power (while not using)
2 External Input Mode (current consumption: TBD, 6.57mA)	0				-	- Customers can connect additional sensors such as ambient light sensors, heart-rate sensors or pressure sensors
3 Acc. Only (current consumption: TBD, 6.7mA)	0	0			Low-end applications (low-end smart phones, wearables, pedometers, gaming devices, etc.)	- Simple motion detection (shock, free fall, motion/no-motion, tilt)
4 6-axis IMU Mode (current consumption: TBD, 11.7mA)	0	0	0		Activity tracking applications (wearables, cameras-for image stablization,	- Intensified motion detection (shock, free fall, motion/no-motion, tilt, rotation)
5 6-axis E-compass Mode (current consumption: TBD, 8.7mA)	0	0		0	Low-power consumption applications (air mouse, wearables, IoT devices, etc.)	<ul> <li>Estimates orientation</li> <li>Can perform as a gyroscope (virtual gyroscope)</li> </ul>
6 9-axis full operation (current consumption: TBD, 13.7mA)	0	0	0	0	High-end applications (high-end smart phones, VR, indoor navigations, drones, etc.)	- Estimate orientation with gyroscope drift compensation and higher accuracy