



# Differential Pressure Digital Sensor

## BM22S6021-1

### Characteristics

- Integrated high performance MEMS pressure sensor
- Pressure range:  $\pm 1\text{kPa}$ , supports multiple range customization
- Temperature compensation range accuracy up to  $\pm 1\%$  full scale ( $-20^{\circ}\text{C}$   $\sim 70^{\circ}\text{C}$ )
- Directly outputs the target pressure value, connects to the master MCU using I<sup>2</sup>C/INT
- Dual-port SOIC-16 package conforms to the JEDEC standard
- Support for BMduino (Arduino) development

### Applications

Respiratory therapy monitoring, pressure transmitters, fresh air systems, etc.

### Block Diagram

