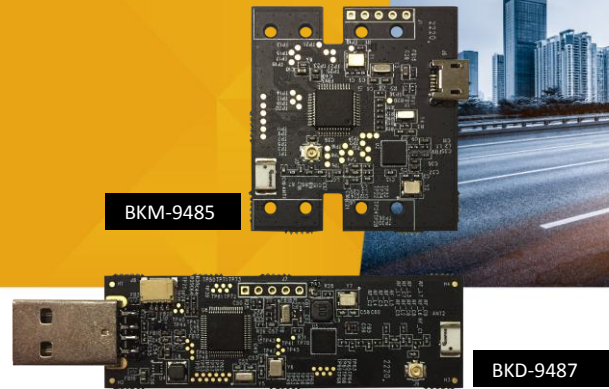


Module Series

8K Wireless Mouse Solution

BKM-9485 / BKD-9487



- 2.4GHz Wireless Mouse Solution
- Support Max. 8KHz Polling Rate
- Low Latency - Less than 125us

- USB2.0 High-Speed
- Optical Sensor with Maximum Resolution up to 20000 DPI
- 7+1 Programmable Buttons

BKM-9485 and BKD-9487 use Nuvoton Cortex-M4 MCU with high efficient RF front-end to implement the world-wide first wireless mouse solution up to 8KHz polling rate. BKM-9485 is the module PCBA designed for the mouse side, connected to optical sensor, buttons, wheel, LEDs and battery. BKD-9487 is an USB dongle PCBA design for the PC/NB side, to transmit/receive data to/from BKM-9485. Via USB2.0 HS, BKD-9487 can transfer mouse data from BKM-9485 to PC/NB with maximum 8KHz polling rate.

Main Specification

| | |
|-------------------|--|
| Model Name | 8K Wireless Mouse Solution – BKM-9485 / BKD-9487 |
|-------------------|--|

BKM-9485

| | |
|------------------------|---|
| Processor | Nuvoton Cortex-M4 MCU M485LIDAE |
| Wireless/Antenna Type | 2.4GHz Proprietary RF / Chip Antenna |
| Mouse Sensor Type | Optical |
| Max. Sensor Resolution | 20000 DPI |
| Number of Buttons | 7+1 (wheel) |
| Power consumption | 18mA (Est.) @ 8KHz report rate* Not Including Optical Sensor and LEDs 0.1mA (Est.) @ Sleep Mode |

BKD-9487

| | |
|-----------------------|--------------------------------------|
| Processor | Nuvoton Cortex-M4 MCU M487SIDAE |
| Wireless/Antenna Type | 2.4GHz Proprietary RF / Chip Antenna |
| Interface to PC/NB | USB2.0 High-Speed |
| Max. Report Rate | 8000Hz |
| Power Supply | USB 5V Bus Power |

*Average current consumption after optimization