

Module Series

8K Wireless Mouse Solution

ITM-DV8



ITM-MV8-C



ITM-MV8-C / ITM-DV8

- 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
- 3+1 Programmable Buttons

ITM-MV8-C and ITM-DV8 use Brickcom RF chipset ITM-WM8K to implement the world-wide first wireless mouse solution up to 8KHz polling rate. ITM-MV8-C is the module PCBA designed for the mouse side, connected to optical sensor, buttons, wheel, LEDs and 3.3V power source. ITM-DV8 is an USB dongle PCBA designed for the PC/NB side, to transmit/receive data to/from ITM-MV8-C. Via USB2.0 HS, ITM-DV8 can transfer mouse data from ITM-MV8-C to PC/NB with maximum 8KHz polling rate.

Main Specification

| | |
|-------------------|--|
| Model Name | 8K Wireless Mouse Solution – ITM-MV8-C / ITM-DV8 |
|-------------------|--|

ITM-MV8

| | |
|------------------------|---|
| Processor | Cortex-M4 MCU |
| Wireless/Antenna Type | 2.4GHz Proprietary RF / Chip Antenna |
| Mouse Sensor Type | Optical |
| Max. Sensor Resolution | 20000 DPI |
| Number of Buttons | 3+1 (wheel) |
| Power consumption | 16,4mA (Est.) @ 8KHz report rate* Not Including Optical Sensor and LEDs 0.1mA (Est.) @ Sleep Mode |

ITM-DV8

| | |
|-----------------------|--------------------------------------|
| Processor | Cortex-M4 MCU |
| 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