

# M.2 B-Key Module (USB2.0, PCIe x1, SATA) to miniPCle Motherboard

## 1. Introduction

Install Advanced USB & PCIe & SATA base M.2 B Key or B-M Key CDMA, GPS, LTE, SATA, PCIe x1 NVMe Module and become a Full-Mini or Half-Mini miniPCle Wireless Module for Industrial Computer!

### 1.1. Features

- Convert USB base, PCIe base and SATA base M.2 module to be used in IPC mPCle slot
- Support both mPCle Full-Mini and Half-Mini plated-hole
- Support M.2 module that USB base, PCIe base, PCIe x1 base and SATA base mode
- M.2 NGFF type [2230-D3-B](#) B Key socket on board
- Support M.2 B Key and B-M Key CDMA, GPS, LTE, SATA, PCIe x1 NVMe Module
- Movable M.2 NGFF stand-off and multiple plated-holes support M.2 type 2230 / 2242 / 2260 / 2280 / 3030 / 3042 module
- PCIe x1 & USB2.0 & SATA signal interface between miniPCle and M.2 socket
- Pin header select PCIe x1 or SATA signals from miniPCle to M.2
- 100% OS-transparent hardware bridge converter to support Windows, MAC and Linux
- Supports operating temperature range: -40 - 80 °C

## 2. Installation

1. Cut useless PCB off If don't use long mPCle Full-Mini, M.2 2242 / 2260 / 2280 and these PCB cause the interference.
2. Plug M.2 B Key or B-M Key module into M.2 B Key socket
3. Push the other end of M.2 module down and screw to PCB
4. Change jumper to position 2-3 (SATA), if SATA M.2 module installed
5. Install Converter Adapter with M.2 module into 52-pin miniPCle socket and screw to MotherBoard.

