GMX V1.4 PWM
PASSIVE SPLITTER

DESIGN SPECIFICATIONS

VERSION : 1.1

1. Input Requirements

1-1. Input Voltage

The power supply interface is SATA. The SATA allows positive and negative connections.

2. Functional Description

2-1. Fan control.

The fan is driven by a PWM signal from the motherboard, and FAN1 has a speed detection function (FAN1 must be connected if the fan speed is to be displayed in the computer).
The fan speed is controlled by the PWM signal of the main board, and the fan with the sense function is connected to FAN1, so display the speed in the BIOS of the motherboard.
FAN 1-5 are compatible with 3PIN and 4PIN connectors and have a speed change function.

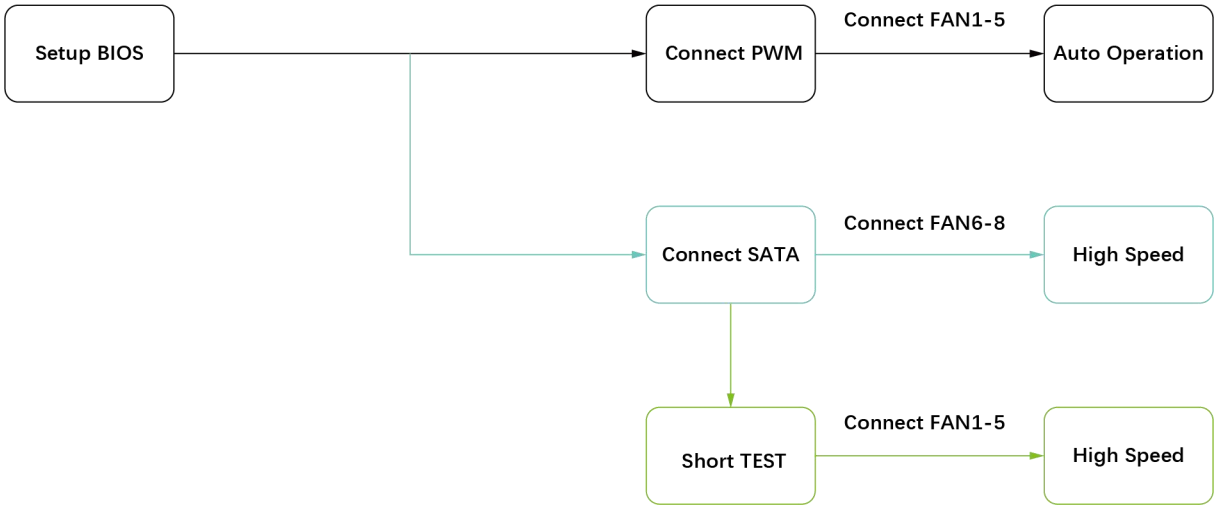
2-2. The controller has the ability to automatically adjust the fan speed. In the BIOS, go to the Fan Function option.

A. Select fan interface (CPU, SYS-FAN1, SYS-FAN2, etc., varies slightly depending on manufacturer).
B. Select speed mode (normal, silent, performance, full speed, custom, varies slightly depending on manufacturer).
C. Select DC mode. There are options for PWM and DC in the BIOS, DC should be selected.
D. If the default or PWM mode is selected in the BIOS, there is no speed regulation function for the fan, and the fan runs at the highest speed at this time.
E. Different manufacturers' motherboards have different fan interface drive capabilities, and we recommend connecting up to 5 fans.

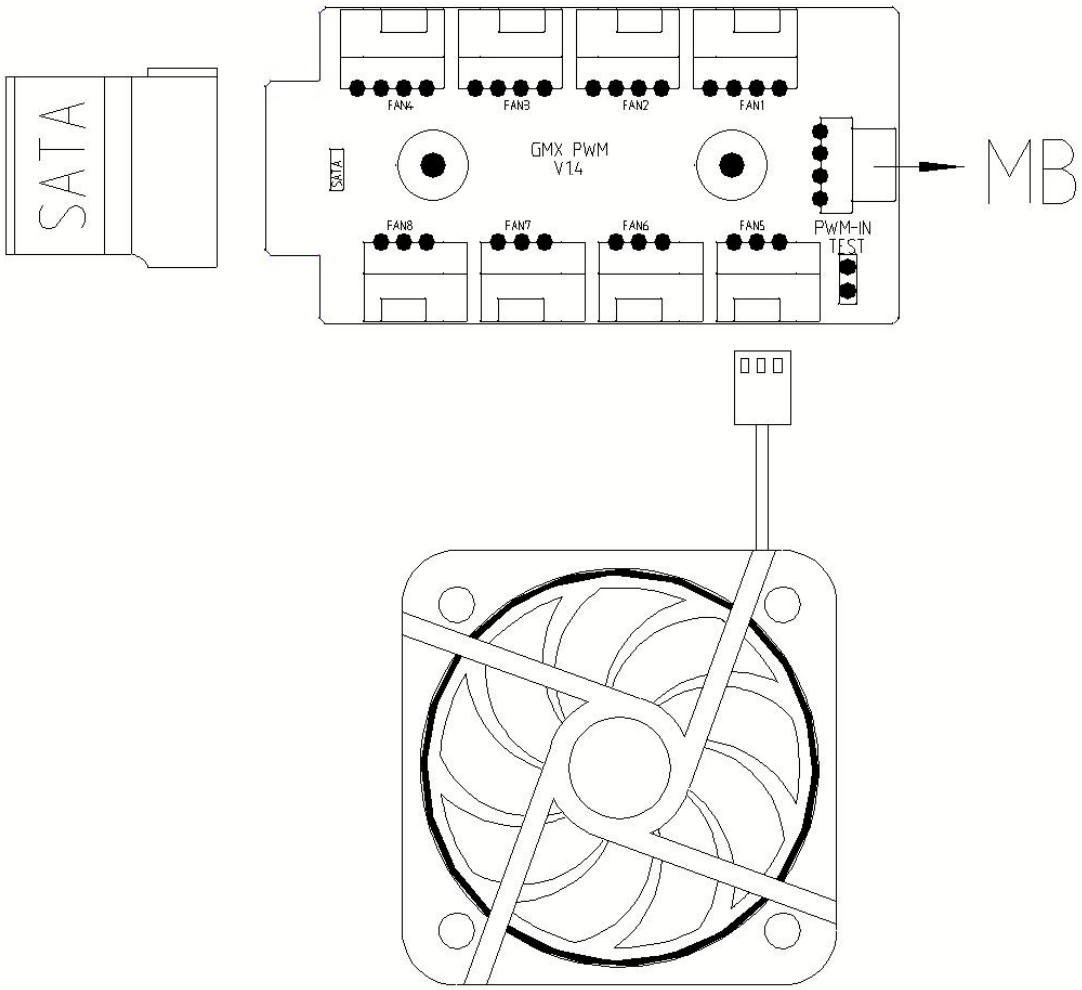
2-3. FAN 1-5 speed change function can be realized without connecting the SATA power supply.

2-4. FAN 6-8 need to be connected to SATA in order to operate and maintain the maximum speed, the speed cannot be adjusted.

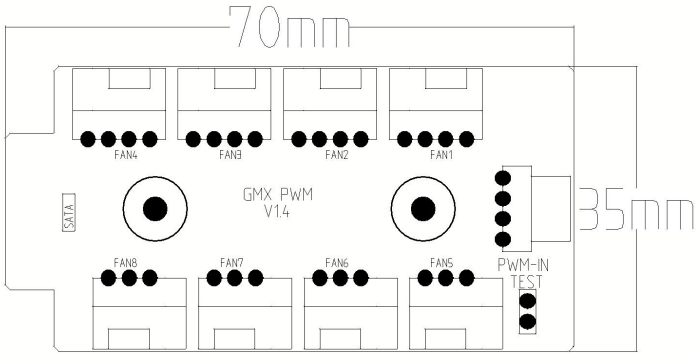
2-5. When no PWM cable is connected, plugging in the SATA power supply and connecting the TEST connector with a shorting cap, the FAN1-5 can operate at full speed, this short test is only used for demonstration. Before the PWM is connected to the MB, test must be removed to prevent damage to the motherboard.



3. Connection mode



4．Physical dimension



Unit：mm