

RIOT EXPANSION

PAL-1

2021-02-18

MANUAL

Use BOM symbol information to assemble the RIOT expansion kit, the finished expansion card looks like this:



Pin 1

Top view



Pin 1

Left side view

Power off your PAL-1, connect the card to PAL-1 SBC using the motherboard card or a 40pin female/female IDC cable. Please check if the pin 1 of the expansion card is aligned with the pin 1 of the motherboard socket or PAL-1 expansion port.

After connected, the computer system looks like this:



Connect via mainboard



Connect by cable

Now you have completed the second RIOT expansion. This card added 16 I/O pins and a timer to the PAL-1 system.

You can run KIM-1 programs that require PA0~PA7 or/and PB0~PB7 port support or write your own code to control these I/O pins.