# 高新兴物联ME3616_WelinkOpen GPIO 管脚功能复用说明

| ME3616 PIN_NUM | 标准模组管脚默认功能 | WelinkOpen模组管脚默认功能 | Pull Type | Pull Init | IO Reset default mode | GPIO Reset Default Mode | Mode 0 | Mode 1 | Mode 2 | Mode 3 | Mode 4 | Mode 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIN_1 | UART0_DEBUG_TXD | UART0_TXD | PU/PD | HIGH | 0 | 1 | B:GPIO5 | UART0_TXD | | | | |
| PIN_2 | UART0_DEBUG_RXD | UART0_RXD | PU/PD | PU | I | 1 | B:GPIO2 | UART0_RXD | | | | |
| PIN_3 | SPI_CS | SPI_CS | PU/PD | PD | I | 0 | B:GPIO19 | | SPI_MST1_CS | | | |
| PIN_4 | SPI_MISO | SPI_MISO | PU/PD | PD | I | 0 | B:GPIO20 | | SPI_MST1_MISO | | PWM3 | |
| PIN_5 | SPI_MOSI | SPI_MOSI | PU/PD | PD | I | 0 | B:GPIO21 | | SPI_MST1_MOSI | | | |
| PIN_6 | SPI_SCK | SPI_SCK | PU/PD | PD | I | 0 | B:GPIO22 | | SPI_MST1_SCK | I2C1_SCL | | |
| PIN_7 | UART1_CTS | UART1_CTS | PU/PD | PD | I | 0 | B:GPIO18 | | | UART2_RXD | UART1_CTS | |
| PIN_8 | UART1_RTS | UART1_RTS | PU/PD | PD | I | 0 | B:GPIO23 | | | I2C1_SDA | UART2_TXD | UART1_RTS |
| PIN_9 | UART1_TXD | UART1_TXD | PU/PD | PD | I | 0 | B:GPIO25 | | UART1_TXD | | | |
| PIN_10 | UART1_RXD | UART1_RXD | PU/PD | PD | I | 0 | B:GPIO24 | | UART1_RXD | | | |
| PIN_11 | AP_READY | GPIO | PU/PD | PD | I | 0 | B:GPIO29 | | | | | |
| PIN_16 | WAKEUP_OUT | GPIO | PU/PD | PD | I | 0 | B:GPIO27 | | | UART3_TXD | | |
| PIN_21 | SYS_STATE | GPIO | PU/PD | PD | I | 0 | B:GPIO26 | | | UART3_RXD | | PWM3 |
| PIN_34 | GPIO1 | GPIO | PU/PD | PD | I | 0 | B:GPIO9 | | | | | |
| PIN_35 | GPIO2 | GPIO | PU/PD | PU | I | 4 | B:GPIO31 | | | | | AUXADC1 |
| PIN_36 | I2C_SCL | I2C_SCL | PU/PD | PU | I | 2 | B:GPIO33 | | | | I2C2_SCL | AUXADC3 |
| PIN_37 | I2C_SDA | I2C_SDA | PU/PD | PU | I | 2 | B:GPIO34 | | | | I2C2_SDA | AUXADC4 |
| PIN_38 | ADC | ADC | PU/PD | PU | I | 4 | B:GPIO30 | | | | | AUXADC0 |

注：为方便用户对照，附图为标准模组管脚序号/名称图。

PIN40

PIN1

| Pin | Name | Pin | Name |
|---|---|---|---|
| 40 | USB_DP | | |
| 39 | USB_DM | | |
| 38 | ADC | | |
| 37 | I2C_SDA | | |
| 36 | I2C_SCL | | |
| 35 | GPIO2 | | |
| 34 | GPIO1 | | |
| 33 | USB_VUSB | | |
| 32 | VBAT | | |
| 31 | VBAT | | |
| 1 | UART_DEBUG_TXD | 30 | GND |
| 2 | UART_DEBUG_RXD | 29 | GND |
| 3 | SPI_CS | 28 | GND |
| 4 | SPI_MISO | 27 | MAIN_ANT |
| 5 | SPI_MOSI | 26 | GND |
| 6 | SPI_SCLK | 25 | GND |
| 7 | UART1_CTS | 24 | NC |
| 8 | UART1_RTS | 23 | GND |
| 9 | UART1_TXD | 22 | GND |
| 10 | UART1_RXD | 21 | SYS_STATE |
| 11 | AP_READY | | |
| 12 | USIM_RESET | | |
| 13 | USIM_CLK | | |
| 14 | USIM_DATA | | |
| 15 | USIM_VCC | | |
| 16 | WAKEUP_OUT | | |
| 17 | RESET | | |
| 18 | WAKEUP_IN | | |
| 19 | POWER_ON | | |
| 20 | VCCIV8_OUT | | |

型号:ME3616
NB-IoT无线数据终端
PID:C1A
WeLink
MEID:XXXXXXXXXXXXXX
S/N:XXXXXXXXXXXXXXXXXX
深圳高新兴物联科技有限公司