**Register Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Address** | **Data**  **Length** | **Data**  **Type** | **Unit** | **Description** |
| input voltage | 0 | 2 | u16 | mV | - |
| input current | 2 | 2 | u16 | mA | - |
| output voltage | 4 | 2 | u16 | mV | - |
| output current | 6 | 2 | u16 | mA | - |
| battery voltage | 8 | 2 | u16 | mV | - |
| battery current | 10 | 2 | i16 | mA | - |
| battery percentage | 12 | 1 | u8 | % | - |
| battery capacity | 13 | 2 | u16 | mAh | - |
| power source | 15 | 1 | u8 | - | 0, battery isn't supplying power;  1, battery is supplying power; |
| is usb plugged | 16 | 1 | u8 | - | 0, usb is unplugged;  1, usb is plugged in; |
| RESERVED | 17 | 1 | - | - |  |
| is charging | 18 | 1 | u8 | - | 0, not charging;  1, charging; |
| fan power | 19 | 1 | u8 | - | 0 ~ 100 |
| shutdown request | 20 | 1 | u8 | - | 1, Key shutdown request;  1, Low battery shutdown request; |
| firmware version major | 128 | 1 | u8 | - | - |
| firmware version minor | 129 | 1 | u8 | - | - |
| firmware version patch | 130 | 1 | u8 | - | - |
| rst code | 131 | 1 | u8 | - | mcu reset reason Code |
| rtc year | 132 | 1 | u8 | - | - |
| rtc month | 133 | 1 | u8 | - | - |
| rtc day | 134 | 1 | u8 | - | - |
| rtc hour | 135 | 1 | u8 | - | - |
| rtc minute | 136 | 1 | u8 | - | - |
| rtc second | 137 | 1 | u8 | - | - |
| rtc ssec | 138 | 1 | u8 | - | 1/128 second |
| always on | 139 | 1 | u8 | - | 0, Enable alwaysOn  1, Disable alwaysOn |
| board id | 140 | 1 | u8 | - | 0, Pironman U1  1, Pironman 4  2, PiPower 3 |
| RESERVED | 141 | 1 | - | - | - |
| RESERVED | 142 | 1 | - | - |  |
| shutdown percentage | 143 | 1 | u8 | - | Current low battery shutdown percentage threshold |
| RESERVED | 144 | 1 | - | - |  |