Documentation buiten verlichting.

**Blynk Auth key:** ??

**NTP Time Client Server:** europe.pool.ntp.org

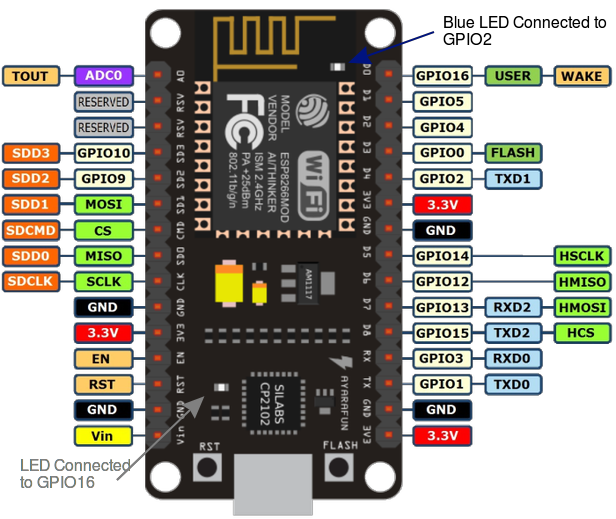
|  |
| --- |
| I2C devices Pinout I2C Address |
| BH1750 Light sensor. Default = 0x23 |
| 16-Channel 12-bit PWM Driver. Default = 0x40 |
| IIC/I2C LCD 20X4 Default = 0x27 |
|  |
| SDA, GPIO4 = D2, RJ45 = 7 |
| SCL, GPIO5 = D1, RJ45 = 8 |

|  |
| --- |
| Sensors |
| PIR Motion Sensor |
| ~~Input GPIO14 = D5~~ |
|  |
| DC5V - 20V |
| level output: 3.3V high, low 0V |

|  |
| --- |
| BH1750F Digital Light Sensor I2C |
| SDA, GPIO4 = D2 |
| SCL, GPIO5 = D1 |
|  |
| DC3.3V - 5V |
| 16bitADC |

|  |
| --- |
| 16 Channel PWM Driver I2C |
| SDA, GPIO4 = D2 |
| SCL, GPIO5 = D1 |
|  |
| DC3.3V - 6V |
| 12-bit |

|  |
| --- |
| DHT11 Digital Temperature and Humidity Sensor |
| Data pin, D4 = GPIO 2 |
| 3.3V - 5V |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PinOut. | Pin On ESP8266 | Pin In Code | Function | I2C Address |
| Sensors. |  |  |  |  |
| ntpUDP timeClient | Software| europe.pool.ntp.org | Software| europe.pool.ntp.org | Gets real-time Time | Software |
| BH1750 Light sensor | SDA, D1 | SCL, D2 | SDA, GPIO4 | SCL, GPIO5 |  | 0x23 |
| PIR Motion Sensor | D5 | GPIO 14 |  |  |
| PinOut. | **Pin On PWM Driver** | **Pin In Code** | **Function** |  |
| Actuatoren. |  |  |  |  |
| 16-Channel 12-bit PWM Driver | SDA, D1 | SCL, D2 | SDA, GPIO4 | SCL, GPIO5 |  | 0x40 |
| 2 Channel Relay Board |  |  |  |  |

Auto button = D5, D5 = GPIO 14

RST button = RST

Temp sensor = D4