



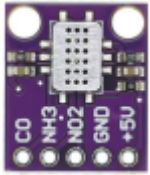










The search is easier in the [summarized abbreviation index](#), depending on the type designation.




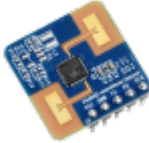



## Temperature, Humidity, Air-pressure, Gas, Air-quality Sensors and Module

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|  <p><b>AHT10 Modul</b><br/>Temperature, Humidity<br/>+ Arduino example code</p>  |  <p><b>ENS160 + AHT21</b><br/>Air Quality Sensor - CO, ECO, TVOC, Temp &amp; Humidity Module</p>  |
|  <p><b>AHT20/BMP280 Modul</b><br/>Temperature, Humidity, Air pressure<br/>+ Arduino example code</p>                                     |  <p><b>MAX31865</b><br/>RTD to Digital Converter - PT100/PT1000 Platine</p>   |
|  <p><b>PTA8C04</b><br/>4-channel PT100 Modbus Modul with Modbus RTU<br/>+ Holding Registers Description</p>                              |  <p><b>NT18B07</b><br/>7 Kanal RS485 Temperature Sensors with Modbus RTU<br/>+ Holding Registers Description</p>                                    |
|  <p><b>DS18B20</b><br/>1-Wire Digital Thermometer</p>   |  <p><b>BMP/BME</b><br/>Bosch Temperature/Humidity/Pressure sensors with I<sup>2</sup>C communication<br/>(BME280, BME680, BMP180, BMP280, ...)</p> |
|  <p><b>DHT</b><br/>Temperature / Humidity sensors with 1-wire / I<sup>2</sup>C communication<br/>(DHT11, DHT20, DHT22/AM2302, ...)</p> |  <p><b>DPS</b><br/>Infineon Temperature/Pressure sensors with I<sup>2</sup>C communication (DPS310)</p>   |
|  <p><b>D6T</b><br/>Omron Non-Contact Thermal Sensors with I<sup>2</sup>C communication<br/>(D6T-32L, D6T-44L, D6T-8L, D6T-1A, ...)</p> |  <p><b>GM</b><br/>MEMS Gas-sensors<br/>(GM-102b, GM-302b, GM-502b, GM-702b, ...)</p>  |
|  <p><b>ENS</b><br/>ScioSense Multi-gas sensors with I<sup>2</sup>C communication (ENS-160)</p>   |  <p><b>HTU</b><br/>TE Connectivity temperature/humidity sensors with I<sup>2</sup>C communication (HTU-21)</p>                                    |


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|  <p><b>MQ</b><br/>Winsen Gas-sensors<br/>(MQ-2, MQ-3, MQ-4, MQ-5, MQ-6, MQ-7, MQ-8, MQ-9, MQ-131, MQ-135, MQ-137, ...)</p>                                      |  <p><b>SGP</b><br/>Sensirion Gas-sensors with I<sup>2</sup>C communication<br/>(SGP30, SGP40, SGP41, ...)</p>      |
|  <p><b>SHT</b><br/>Sensirion Temperature/humidity sensor with I<sup>2</sup>C communication<br/>(SHT20, SHT21, SHT25, SHT30, SHT31, SHT35, SHT40, GY21, ...)</p> |  <p><b>HDC</b><br/>Texas Instruments Temperature/humidity sensors with I<sup>2</sup>C communication (HDC-1080)</p> |
|  <p><b>CJMCU-6814</b><br/>combined gas sensor module for CO, NO<sub>2</sub>, NH<sub>3</sub><br/>(MICS-6814)</p>   |  <p><b>MH-Z19</b><br/>series of NDIR CO<sub>2</sub> sensors (MH-Z19B, MH-Z19C, MH-Z19D, MH-Z19E)</p>               |
|  <p><b>CJMCU-811 CCS811</b><br/>Gas Sensor (VOCs TVOC CO<sub>2</sub>)</p>   |   |

### Distance measurement, Gesture Recognition, Optical flow, Motion

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|  <p><b>HC-SR04</b><br/>Ultrasonic Sensor Module</p>  |  <p><b>VL53Lnn</b><br/>STMicroelectronics time-of-flight (ToF) laser-ranging sensors with I<sup>2</sup>C communication<br/>(VL53L0X, VL53L1X, VL53L0/1XV2, GY-530, ...)</p> |
|  <p><b>VL6180X</b><br/>STMicroelectronics Time-of-Flight (ToF) sensor with I<sup>2</sup>C communication</p>                    |  <p><b>TOFnnnC</b><br/>STMicroelectronics Time-of-Flight (ToF) sensors with I<sup>2</sup>C communication<br/>(TOF050C, TOF200C, TOF400C, ...)</p>                           |
|  <p><b>PAJ</b><br/>Pixart gesture recognition sensors/module with I<sup>2</sup>C communication<br/>(PAJ7620U2, GY-PAJ7620)</p> |  <p><b>APDS</b><br/>Avago ALS and proximity detection sensors with I<sup>2</sup>C communication<br/>(APDS-9900, APDS-9930, APDS-9960)</p>                                   |

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|  <p><b>M01</b><br/>V0.4 Laser ranging sensor with UART communication</p>                     |  <p><b>A0221AU/A02YYUW</b><br/>Waterproof Ultrasonic Distance Sensor with UART communication</p>              |
|  <p><b>Waveshare TOF</b><br/>Laser Range Sensor with UART / I<sup>2</sup>C communication</p> |  <p><b>RD-XX</b><br/>Ai-Thinker Radar Module with UART communication (RD-01, RD-03, RD-03D, ...)</p>          |
|  <p><b>RCWL</b><br/>Microwave radar sensor (RCWL-0516)</p>                                   |  <p><b>CJMCU-3901/PMW-3901</b><br/>compact optical flow sensor module/IC by PixArt with SPI communication</p> |
|  <p><b>PIR sensors</b><br/>(HC-SR501, HC-SR505, AM-312, EKMB/EKMC)</p>                       |  |



**Light, Ambient light, Proximity**

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|  <p><b>CJMCU-3216 / AP-3216</b><br/>integrated digital ambient light and proximity sensor module/IC with I<sup>2</sup>C communication</p> |
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**Motion detection, Magnetometer, Magnetic angle sensors**



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|  <p><b>MPU-9250/6500</b><br/>9-axis motion detection module</p> |  <p><b>Magnetic angle sensors</b><br/>(AS5047P, AS5600, MT6701, MT6816, MT6835, TLE5012B)</p> |
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**Signal Converters, Shift Registers**



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|  <p><b>PCA9306</b><br/>I<sup>2</sup>C Voltage Level Translator</p> |  <p><b>CJMCU-164</b><br/>SN74HC164D 8-bit Shift Register Module</p> |
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|  <p><b>TTL to RS485 Module</b><br/>MAX485</p>   |  <p><b>TCA9548A</b><br/>(HW617); Low-Voltage 8-Channel I<sup>2</sup>C Switch Module</p>   |
|  <p><b>MCP23017 / MCP23S17</b><br/>(CJMCU-2317) 16-Bit I/O Expander with Serial Interface I<sup>2</sup>C / SPI</p>              |  <p><b>SC16IS750 / SC16IS752</b><br/>One or two serial (UART) ports from microcontroller via I<sup>2</sup>C or SPI communication (CJMCU-750, CJMCU-752)</p> |
|  <p><b>Texas Instruments ADCs</b><br/>Delta-sigma multi-channel Analog Converters with SPI communication (ADS111x, ADS12xx)</p> |  <p><b>TXS0108E (HW-0108)</b><br/>8-channel, bidirectional 5V-3.3V logic level converter</p>  |


### Amplifiers, DC-DC converters, PWM signal converters

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|  <p><b>XY_MOS</b><br/>MOS FET Drive Module 400W Support PWM Controller</p> |  <p><b>CJMCU-8221</b><br/>Analog Devices Precision instrumentation amplifier module</p> |
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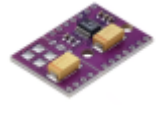
### Weight sensors

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|  <p><b>YR-3180</b><br/>YR-3180 - Weight sensor module with UART or Modbus communication + Modbus map</p> |  <p><b>HX711</b><br/>24-bit analog-to-digital converter (ADC)</p> |
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### Energy meters (EM)

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|  <p><b>Eastron SDM 630</b><br/>3-phase Energy Meter with Modbus communication + Modbus map</p> |  <p><b>Eastron SDM 230</b><br/>1-phase Energy Meter with Modbus communication + Modbus map</p> |
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### Energy harvesting (EH)

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|  <p><b>LTC-3588</b><br/>Nanopower energy harvesting power supply IC</p>                      |  <p><b>BQ25570 / CJMCU-2557</b><br/>Texas Instruments nano-power management IC and module</p> |
|  <p><b>LTC-3108-1</b><br/>Ultra Low Voltage Boost Converter Power Manager Breakout Board</p> |   |

### Energy, power, current, voltage

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|---|--|
|  <p><b>INA-226</b><br/>current/voltage/power monitor with I<sup>2</sup>C communication</p> |  <p><b>CJMCU-219/INA-219</b><br/>breakout board/IC with I<sup>2</sup>C communication</p> |
|  <p><b>Allegro ACS758</b><br/>Hall-effect linear current sensors (CJMCU-758)</p>           |  |

### Healthcare sensoric

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|  <p><b>MAX30100/MAX30102</b><br/>Heart Rate Click Sensor Module</p> |  <p><b>CJMCU-6701</b><br/>Biosensor for measuring Galvanic Skin Response (GSR) with SPI communication</p> |
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### Audio, Microphone

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|  <p><b>MAX4466/MAX9814</b><br/>Low-noise Microphone Preamplifiers</p> |
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