All Libraries

A list of the *1198* libraries registered in the Arduino Library Manager.

ALog (/libraries/a-log)	Low-power general-purpose data logger library, written for the Arduino-based ALog but expandable to other devices.
aREST (/libraries/a-rest)	RESTful API for the Arduino platform.
aREST UI (/libraries/a-rest-ui)	A graphical user interface for Arduino based on the aREST API.
AStar32U4 (/libraries/a-star32-u4)	A-Star 32U4 Arduino library
A4963 (/libraries/a4963)	Library for A4963 brushless motor controler
A4990MotorShield (/libraries/a4990-motor-shield)	Arduino library for the Pololu A4990 Dual Motor Driver Shield
absmouse (/libraries/absmouse)	Absolute positioning USB HID mouse library.
AccelStepper (/libraries/accel-stepper)	Allows Arduino boards to control a variety of stepper motors.
Accessory Shield (/libraries/accessory-shield)	Allows an Arduino board to use the DFRobot Accessory Shield
ACE128 (/libraries/ace128)	Access the Bourns ACE-128 Absolute Contacting Encoder over I2C
ACROBOTIC SSD1306 (/libraries/acrobotic-ssd1306)	Library for SSD1306-powered OLED 128x64 displays!
AD5241 (/libraries/ad5241)	Driver for Analog Devices AD5241/2 and AD5280/2 digital potentiometers.
AD7173 (/libraries/ad7173)	Arduino library for Analog Devices AD7173 analog digital converter
AD7193 (/libraries/ad7193)	Library for AD7193 Sigma-Delta ADC with PGA
Adafruit ADS1X15 (/libraries/adafruit-ads1-x15)	Driver for TI's ADS1015: 12-bit Differential or Single-Ended ADC with PGA and Comparator
Adafruit ADXL345 (/libraries/adafruit-adxl345)	Unified driver for the ADXL345 Accelerometer
Adafruit AHRS (/libraries/adafruit-ahrs)	AHRS (Altitude and Heading Reference System) for Adafruit's 9DOF and 10DOF breakouts
Adafruit AM2315 (/libraries/adafruit-am2315)	Library code for AM2315 sensors
Adafruit AMG88xx Library (/libraries/adafruit-amg88xx-library)	Arduino library for AMG88xx 8x8 Thermocouple Sensors.
Adafruit APDS9960 Library (/libraries/adafruit-apds9960-library)	This is a library for the Adafruit APDS9960 gesture/proximity/color/light sensor.
Adafruit BLEFirmata (/libraries/adafruit-ble-firmata)	Modified Firmata code to work with Adafruit's nRF8001 Breakout
Adafruit BluefruitLE nRF51 (/libraries/adafruit-bluefruit-le-n-rf51)	Arduino library for nRF51822-based Adafruit Bluefruit LE modules
Adafruit BME280 Library (/libraries/adafruit-bme280-library)	Arduino library for BME280 sensors.
Adafruit BME680 Library (/libraries/adafruit-bme680-library)	Arduino library for BME680 sensors.
Adafruit BMP085 Library (/libraries/adafruit-bmp085-library)	A powerful but easy to use BMP085/BMP180 Library
Adafruit BMP085 Unified (/libraries/adafruit-bmp085-unified)	Unified sensor driver for Adafruit's BMP085 & BMP180 breakouts
Adafruit BMP183 Library (/libraries/adafruit-bmp183-library)	Non-Unified BMP library

Adafruit BMP183 Unified Library (/libraries/adafruit-bmp183-unified-library) — Arduino library for the BMP183 sensors in the Adafruit shop

Adafruit BMP280 Library (/libraries/adafruit-bmp280-library) — Arduino library for BMP280 sensors.

Adafruit BNO055 (/libraries/adafruit-bno055) — Library for the Adafruit BNO055 Absolute Orientation Sensor.

Adafruit CAP1188 Library (/libraries/adafruit-cap1188-library) — Arduino library for the Adafruit CAP1188 8-Channel Capacitive Touch Sensor Breakout

Adafruit CC3000 Library (/libraries/adafruit-cc3000-library) — Library code for Adafruit's CC3000 WiFi breakouts.

Adafruit CCS811 Library (/libraries/adafruit-ccs811-library) — This is a library for the Adafruit CCS811 I2C gas sensor breakout.

Adafruit Circuit Playground (/libraries/adafruit-circuit-playground) — All in one library to control Adafruit's Circuit Playground board.

Adafruit DotStar (/libraries/adafruit-dot-star) — Adafruit DotStar LED Library

Adafruit DRV2605 Library (/libraries/adafruit-drv2605-library) — Arduino library for Adafruit DRV2605L Haptic Controller Breakout

Adafruit ESP8266 (/libraries/adafruit-esp8266) — Example code for ESP8266 chipset

Adafruit Fingerprint Sensor Library (/libraries/adafruit-fingerprint-sensor-library) — Arduino library for interfacing to the fingerprint sensor in the Adafruit shop

Adafruit Flora Pixel Library (/libraries/adafruit-flora-pixel-library) — Arduino Library for Adafruit Flora Pixels

Adafruit FONA Library (/libraries/adafruit-fona-library) — Arduino library for the Adafruit FONA

Adafruit FRAM I2C (/libraries/adafruit-fram-i2-c) — Driver for Adafruit's I2C-Based FRAM Breakouts

Adafruit FRAM SPI (/libraries/adafruit-fram-spi) — Driver for Adafruit's SPI-Based FRAM Breakouts

Adafruit FT6206 Library (/libraries/adafruit-ft6206-library) — Arduino library for FT6206-based Capacitive touch screen

Adafruit FXAS21002C (/libraries/adafruit-fxas21002-c) — Unified sensor driver for the FXAS210002C Gyroscope

Adafruit FXOS8700 (/libraries/adafruit-fxos8700) — Unified sensor driver for the FXOS8700 Accelerometer/Magnetometer

Adafruit GFX Library (/libraries/adafruit-gfx-library) — Adafruit GFX graphics core library, this is the 'core' class that all our other graphics libraries derive from.

Adafruit GPS Library (/libraries/adafruit-gps-library) — An interrupt-based GPS library for no-parsing-required use

Adafruit Graphic VFD Display Library (/libraries/adafruit-graphic-vfd-display-library) — Adafruit's 128x64 Graphic VFD Display Library

Adafruit HDC1000 Library (/libraries/adafruit-hdc1000-library) — Arduino library for HDC1000 and HDC1008 sensors.

Adafruit HMC5883 Unified (/libraries/adafruit-hmc5883-unified) — Adafruit HMC5883L 3-Axis Magnetometer Breakout library using Adafruit's Unified Sensor Library.

Adafruit HTU21DF Library (/libraries/adafruit-htu21-df-library) — Arduino library for the HTU21D-F sensors in the Adafruit shop

Adafruit HX8340B (/libraries/adafruit-hx8340-b) — Adafruit 2.2" TFT with SPI interface and microSD card holder

Adafruit HX8357 Library (/libraries/adafruit-hx8357-library) — Adafruit HX8357 3.5" display library.

Adafruit ILI9340 (/libraries/adafruit-ili9340) — This is a library for the Adafruit 2.2" SPI display.

Adafruit ILI9341 (/libraries/adafruit-ili9341) — Library for Adafruit ILI9341 displays

Adafruit INA219 (/libraries/adafruit-ina219) — INA219 Current Sensor

Adafruit IO Arduino (/libraries/adafruit-io-arduino) — Arduino library to access Adafruit IO.

Adafruit IS31FL3731 Library (/libraries/adafruit-is31-fl3731-library) — Arduino library for the Adafruit IS31FL3731 Charlieplex LED driver and CharliePlex FeatherWing.

Adafruit L3GD20 U (/libraries/adafruit-l3-gd20-u) — Unified sensor driver for the L3GD20 Gyroscope

Adafruit LED Backpack Library (/libraries/adafruit-led-backpack-library) — Adafruit LED Backpack Library for our 8x8 matrix and 7-segment LED backpacks

Adafruit LiquidCrystal (/libraries/adafruit-liquid-crystal) — Fork of LiquidCrystal HD44780-compatible LCD driver library, now with support for ATtiny85.

Adafruit LIS3DH (/libraries/adafruit-lis3-dh) — Library for the Adafruit LIS3DH Accelerometer.

Adafruit LSM303DLHC (/libraries/adafruit-lsm303-dlhc) — Unified sensor driver for Adafruit's LSM303 Breakout (Accelerometer + Magnetometer)

Adafruit LSM9DS0 Library (/libraries/adafruit-lsm9-ds0-library) — Arduino library for LSM9DS0 9-DOF sensor board.

Adafruit MAX31855 library (/libraries/adafruit-max31855-library) — Library for the Adafruit Thermocouple breakout with MAX31855K

Adafruit MAX31856 library (/libraries/adafruit-max31856-library) — Library for the Adafruit Thermocouple Amplifier breakout with MAX31856

Adafruit MAX31865 library (/libraries/adafruit-max31865-library) — Library for the Adafruit RTD Amplifier breakout with MAX31865

Adafruit MCP23008 library (/libraries/adafruit-mcp23008-library) — Arduino Library for the MCP23008 (and '9) I2C I/O expander

Adafruit MCP23017 Arduino Library (/libraries/adafruit-mcp23017-arduino-library) — Library for the MCP23017 I2C Port Expander

Adafruit MCP3008 (/libraries/adafruit-mcp3008) — MCP3008 8-Channel 10-Bit ADC

Adafruit MCP4725 (/libraries/adafruit-mcp4725) — MCP4725 12-bit I2C DAC

Adafruit MCP9808 Library (/libraries/adafruit-mcp9808-library) — Arduino library for the MCP9808 sensors in the Adafruit shop

Adafruit microbit Library (/libraries/adafruit-microbit-library) — Arduino library for using micro:bit nRF51

Adafruit MiniMLX90614 (/libraries/adafruit-mini-mlx90614) — A simplified MLX90614 library for use with the Trinket/Gemma

Adafruit MLX90614 Library (/libraries/adafruit-mlx90614-library) — Arduino library for the MLX90614 sensors in the Adafruit shop

Adafruit MMA8451 Library
(/libraries/adafruit-mma8451-library)

Arduino library for the MMA8451 Accelerometer sensors in the Adafruit shop

Adafruit Motor Shield library
(/libraries/adafruit-motor-shield-library)

Adafruit Motor shield V1 firmware with basic Microstepping support. Works with all Arduinos and the Mega

Adafruit Motor Shield V2 Library
(/libraries/adafruit-motor-shield-v2-library)

Library for the Adafruit Motor Shield V2 for Arduino. It supports DC motors & stepper motors with microstepping as well as stacking-support.

Adafruit MPL115A2
(/libraries/adafruit-mpl115-a2)

Driver for the Adafruit MPL115A2 barometric pressure sensor breakout

Adafruit MPL3115A2 Library
(/libraries/adafruit-mpl3115-a2-library)

Arduino library for the MPL3115A2 sensors in the Adafruit shop

Adafruit MPR121 (/libraries/adafruit-mpr121)

Arduino library for the MPR121-based capacitive sensors in the Adafruit shop.

Adafruit MQTT Library
(/libraries/adafruit-mqtt-library)

MQTT library that supports the CC3000, FONA, ESP8266, Yun, and generic Arduino Client hardware.

Adafruit nRF8001 (/libraries/adafruit-n-rf8001)

Drivers for Adafruit's nRF8001 Bluetooth Low Energy Breakout

Adafruit NeoMatrix
(/libraries/adafruit-neo-matrix)

Adafruit_GFX-compatible library for NeoPixel grids

Adafruit NeoPixel (/libraries/adafruit-neo-pixel)

Arduino library for controlling single-wire-based LED pixels and strip.

Adafruit PCD8544 Nokia 5110 LCD
library (/libraries/adafruit-pcd8544-nokia-5110-lcd-library)

Arduino driver for PC8544, most commonly found in small Nokia 5110's

Adafruit PN532 (/libraries/adafruit-pn532)

Arduino library for SPI and I2C access to the PN532 RFID/Near Field Communication chip

Adafruit PS2 Trackpad
(/libraries/adafruit-ps2-trackpad)

PS2 library for Adafruit capacitive trackpads

Adafruit PWM Servo Driver Library
(/libraries/adafruit-pwm-servo-driver-library)

Adafruit PWM Servo Driver Library

Adafruit RA8875 (/libraries/adafruit-ra8875)

Adafruit's Arduino driver for the RA8875 TFT driver

Adafruit RGB LCD Shield Library
(/libraries/adafruit-rgb-lcd-shield-library)

Library for the Adafruit RGB 16x2 LCD Shield.

Adafruit seesaw Library
(/libraries/adafruit-seesaw-library)

This is a library for the Adafruit seesaw helper IC.

Adafruit SGP30 Sensor
(/libraries/adafruit-sgp30-sensor)

This is an Arduino library for the Adafruit SGP30 Gas / Air Quality Sensor

Adafruit SHARP Memory Display
(/libraries/adafruit-sharp-memory-display)

This is an Arduino library for the Adafruit Monochrome SHARP Memory Displays

Adafruit SHT31 Library
(/libraries/adafruit-sht31-library)

Arduino library for SHT31 temperature & humidity sensor.

Adafruit SI1145 Library
(/libraries/adafruit-si1145-library)

Arduino library for the SI1145 sensors in the Adafruit shop

Adafruit Si4713 Library
(/libraries/adafruit-si4713-library)

Arduino library for the Si4714 FM+RDS Transmitter in the Adafruit shop

Adafruit Si5351 Library (/libraries/adafruit-si5351-library)	Driver for Adafruit's Si5351 Clockgen Breakout
Adafruit SleepyDog Library (/libraries/adafruit-sleepy-dog-library)	Arduino library to use the watchdog timer for system reset and low power sleep.
Adafruit SoftServo (/libraries/adafruit-soft-servo)	A lightweight software servo library, designed for Trinket/Gemma but good for other Arduino-compats
Adafruit Soundboard library (/libraries/adafruit-soundboard-library)	Arduino Library for UART control of the Adafruit Soundboard
Adafruit SPIFlash (/libraries/adafruit-spi-flash)	SPI Flash filesystem support for FAT and CircuitPython FS support from within Arduino
Adafruit SSD1306 (/libraries/adafruit-ssd1306)	SSD1306 oled driver library for 'monochrome' 128x64 and 128x32 OLEDs!
Adafruit SSD1325 (/libraries/adafruit-ssd1325)	SSD1325 monochrome OLED library
Adafruit SSD1331 OLED Driver Library for Arduino (/libraries/adafruit-ssd1331-oled-driver-library-for-arduino)	For 0.96" OLEDs in the Adafruit shop
Adafruit SSD1351 library (/libraries/adafruit-ssd1351-library)	Adafruit library for the 1.27" and 1.5" color OLEDs in the shop
Adafruit ST7735 Library (/libraries/adafruit-st7735-library)	This is a library for the Adafruit ST7735 SPI displays.
Adafruit STMPE610 (/libraries/adafruit-stmpe610)	Arduino library for STMPE610/811 resistive touch screen controllers
Adafruit TCS34725 (/libraries/adafruit-tcs34725)	Driver for Adafruit's TCS34725 RGB Color Sensor Breakout
Adafruit Thermal Printer Library (/libraries/adafruit-thermal-printer-library)	Arduino Library for Small Thermal Printers
Adafruit TiCoServo (/libraries/adafruit-ti-co-servo)	Use NeoPixels and servos in the same Arduino sketch (with caveats)
Adafruit TinyFlash (/libraries/adafruit-tiny-flash)	Barebones Winbond SPI flash library for Arduino and Trinket
Adafruit TinyRGBLCDShield (/libraries/adafruit-tiny-rgblcd-shield)	Adafruit_RGBLCDShield library ported to Trinket/Gemma
Adafruit TLC5947 (/libraries/adafruit-tlc5947)	Adafruit's Arduino driver for the TLC5947 PWM LED Driver Breakout.
Adafruit TLC59711 (/libraries/adafruit-tlc59711)	Library for our Adafruit 12-channel PWM/LED driver.
Adafruit TMP006 (/libraries/adafruit-tmp006)	This is a library for the Adafruit TMP006 Infrared Thermopile Sensor
Adafruit TMP007 Library (/libraries/adafruit-tmp007-library)	Arduino library for Adafruit TMP007 Thermopile sensor Breakout
Adafruit TPA2016 Library (/libraries/adafruit-tpa2016-library)	Arduino library for the Adafruit TPA2016(D2) I2C controlled AGC audio amplifier
Adafruit Trellis Library (/libraries/adafruit-trellis-library)	Arduino library for controlling Adafruit Trellis
Adafruit TSL2561 (/libraries/adafruit-tsl2561)	Unified sensor driver for Adafruit's TSL2561 breakouts

Adafruit TSL2591 Library (/libraries/adafruit-tsl2591-library)	Library for the TSL2591 digital luminosity (light) sensors.
Adafruit Unified Sensor (/libraries/adafruit-unified-sensor)	Required for all Adafruit Unified Sensor based libraries.
Adafruit UNTZtrument (/libraries/adafruit-unt-ztrument)	Adafruit UNTZtrument
Adafruit VC0706 Serial Camera Library (/libraries/adafruit-vc0706-serial-camera-library)	Library for VC0706-based Serial JPEG Cameras
Adafruit VS1053 Library (/libraries/adafruit-vs1053-library)	This is a library for the Adafruit VS1053 Codec Breakout and Music Maker Shields
Adafruit WS2801 Library (/libraries/adafruit-ws2801-library)	Arduino library for controlling strips/pixels using WS2801 driver chips
Adafruit_mp3 (/libraries/adafruit_mp3)	mp3 decoder
Adafruit_VL53L0X (/libraries/adafruit_vl53-l0-x)	Sensor driver for VL53L0X Time of Flight sensor
Adafruit_VL6180X (/libraries/adafruit_vl6180-x)	Sensor driver for VL6180X Time of Flight sensor
AdagioPro (/libraries/adagio-pro)	Controls Adagio RGB Poollights over RS-485
ADCTouch (/libraries/adc-touch)	Create Touch Sensors with a single (Analog)Pin without external Hardware
ADCTouchSensor (/libraries/adc-touch-sensor)	Create Touch Sensors with a single analog pin without external hardware
ADSWeather (/libraries/ads-weather)	Arduino library to interface with the Argent Data Systems weather station sensor assembly.
ADS1110 (/libraries/ads1110)	ADS1110 Driver (16-BIT ADC with Onboard Reference, PGA and I2C Interface)
advancedSerial (/libraries/advanced-serial)	An Arduino library with additions to vanilla Serial.print(). Chainable methods and verbosity levels. Suitable for debug messages.
ADXL345 (/libraries/adxl345)	A acceleration sensor library for Arduino
ADXL362 (/libraries/adxl362)	Library for ADXL362 - http://analog.com/adxl362
AFArray (/libraries/af-array)	Simple Array ADT for Arduino Framework with template.
AIOModule (/libraries/aio-module)	AIO Modules for ESP8266 and Arduino
AJSP (/libraries/ajsp)	Another JSON Streaming Parser
Akafugu Four Letter Word Library (/libraries/akafugu-four-letter-word-library)	Akafugu Four Letter Word Library
Akafugu TWIDisplay Library (/libraries/akafugu-twi-display-library)	Akafugu TWIDisplay Library
Akafugu TWIKeyboard Library (/libraries/akafugu-twi-keyboard-library)	Akafugu TWIKeyboard Library
Akafugu TWILiquidCrystal Library (/libraries/akafugu-twi-liquid-crystal-library)	Akafugu TWILiquidCrystal Library
Akafugu WireRtc Library (/libraries/akafugu-wire-rtc-library)	Akafugu WireRtc Library
ALA (/libraries/ala)	Arduino Light Animation (ALA) library
AlertMe (/libraries/alert-me)	Allows for sending email and SMS from nothing but the ESP8266!
ALLBOT (/libraries/allbot)	The library for the ALLBOT modular robotic system.

AltSoftSerial (/libraries/alt-soft-serial)   Software emulated serial using hardware timers for improved compatibility

AM50288H (/libraries/am50288-h)   A 14 segment LCD display library for Arduino

AmazonDRS (/libraries/amazon-drs)   AmazonDRS library for Arduino.

AMIS30543 (/libraries/amis30543)   AMIS-30543 SPI stepper motor driver library

Analog Buttons (/libraries/analog-buttons)   Arduino multi button support library

analogComp (/libraries/analog-comp)   Simple scheduler based on watchdog that runs little tasks within IRS

AnalogKeypad by Makuna (/libraries/analog-keypad-by-makuna)   A library that makes interfacing the Banggood Ananlog Keyboard easy.

AnalogMultiButton (/libraries/analog-multi-button)   An Arduino library to capture button presses on multiple buttons through a single analog pin.

AnalogTouch (/libraries/analog-touch)   AnalogTouch library for Arduino

Andee (/libraries/andee)   Annikken Andee Library for Annikken Andee U, Android and iOS boards.

ANT-Arduino library (/libraries/ant-arduino-library)   Library for talking to various ANT radios from Dynastream Innovations.

anto-esp8266-arduino (/libraries/anto-esp8266-arduino)   Enables ESP8266 to connect to Anto.io IoT platform.

ANTPLUS-Arduino (/libraries/antplus-arduino)   Library for easy ANT+ integration

APA102 (/libraries/apa102)   APA102/SK9822 LED strip library

AppleMIDI (/libraries/apple-midi)   AppleMIDI protocol for Arduino

ArdBitmap (/libraries/ard-bitmap)   A library to compress and draw bitmaps on the Arduboy game system.

ArdOSC (/libraries/ard-osc)   Open Sound Control(OSC) Library for Arduino.

ArdVoice (/libraries/ard-voice)   A library to play audio (voices) on the Arduboy game system.

ArduZ80 (/libraries/ardu-z80)   The first Z80 emulation library for Arduino.

Arduboy (/libraries/arduboy)   The Arduboy core library.

ArduboyPlaytune (/libraries/arduboy-playtune)   A library for playing musical scores and tones that is compatible with the Arduboy game system.

Arduboy-TinyFont (/libraries/arduboy-tiny-font)   Tiny 4x4 Font for Arduboy which contains the small ASCII Table from 32 to 127. The sprite for the font uses 192 bytes.

ArduboyTones (/libraries/arduboy-tones)   A library for playing a sequence of tones, intended for use with the Arduboy game system.

Arduboy2 (/libraries/arduboy2)   An alternative library for use with the Arduboy game system.

ArduinoCloud (/libraries/arduino-cloud)   Easly connect your Arduino/Genuino board to the Arduino Cloud

Arduino Commander (/libraries/arduino-commander)   Control your Arduino using the bluetooth the easy way.

ArduinoFacil (/libraries/arduino-facil)   Librería (más bien conjunto de macros) para facilitar el uso de Arduino en castellano para principiantes.

arduinoFFT (/libraries/arduino-fft)   A library for implementing Fast Fourier Transform on Arduino.

arduino-fsm (/libraries/arduino-fsm)   A library for implementing a finite state machine

ArduinoHttpClient (/libraries/arduino-http-client)   [EXPERIMENTAL] Easily interact with web servers from Arduino, using HTTP and WebSocket's.

ArduinoHttpServer (/libraries/arduino-http-server)   Server side minimalistic HTTP protocol implementation.

ArduinoIHC (/libraries/arduino-ihc)   A Library for connecting to the IHC Controller data in/out.

ArduinoINA219 (/libraries/arduino-ina219)	INA219 hi-side i2c current/power sensor Library
ArduinoIRC (/libraries/arduino-irc)	Easy library to make an Arduino IRC Bot.
ArduinoJson (/libraries/arduino-json)	An efficient and elegant JSON library for Arduino.
Arduino Learning Board (/libraries/arduino-learning-board)	A combined library created to support the Arduino Learning Board project
ArduinoLog (/libraries/arduino-log)	Small logging framework
Arduino Low Power (/libraries/arduino-low-power)	Power save primitives features for SAMD and nRF52 32bit boards
ArduinoMenu library (/libraries/arduino-menu-library)	AVR generic menu/interactivity system
arduino-menusystem (/libraries/arduino-menusystem)	A library for implementing a menu system
ArduinoMqtt (/libraries/arduino-mqtt)	MQTT Client library for Arduino based on the Eclipse Paho project.
arduino-NVM (/libraries/arduino-nvm)	Direct flash memory access, round robin virtual pages and EEPROM like memory. (Flash, VirtualPage, NVRAM)
Arduino Process Scheduler (/libraries/arduino-process-scheduler)	An OOP multitasking library
ArduinoSensors (/libraries/arduino-sensors)	A Library of Libraries of Sensors
ArduinoSerialToTCPBridgeClient (/libraries/arduino-serial-to-tcp-bridge-client)	Open a TCP connection to a server from the Arduino using just serial. (No Ethernet/WiFi shields necessary)
Arduino SigFox for MKRFox1200 (/libraries/arduino-sig-fox-for-mkr-fox1200)	Helper library for MKRFox1200 board and ATAB8520E Sigfox module
Arduino Smart Watch (/libraries/arduino-smart-watch)	A library that makes coding a watch for Arduino Micro and so on
ArduinoSound (/libraries/arduino-sound)	[EXPERIMENTAL] A simple way to play and analyze audio data using Arduino.
ArduinoSTL (/libraries/arduino-stl)	A port of uClibc++ packaged as an Arduino library.
ArduinoThread (/libraries/arduino-thread)	A simple way to run Threads on Arduino
ArduinoThreadRunOnce (/libraries/arduino-thread-run-once)	Run an ArduinoThread just one time
ArduinoUnit (/libraries/arduino-unit)	Unit test framework for arduino projects.
Arduino Uno WiFi Dev Ed Library (/libraries/arduino-uno-wi-fi-dev-ed-library)	This library allows users to use network features like rest and mqtt. Includes some tools for the ESP8266.
arduinoVNC (/libraries/arduino-vnc)	VNC Client for Arduino
Arduino-Websocket-Fast (/libraries/arduino-websocket-fast)	Websocket client library (fast data sending).
Arduno-Twitter-library (/libraries/arduno-twitter-library)	Arduino Twitter Library to send tweets
ardyno (/libraries/ardyno)	A library to control dynamixel motors
AS-289R2 Thermal Printer Shield (/libraries/as-289-r2-thermal-printer-shield)	Arduino Library for Thermal Printer Shieid
AS3935 (/libraries/as3935)	Library to support Austrian Microsystems AS3935 lightning sensor.

AsciiMassage (/libraries/ascii-massage)	AsciiMassage is a microcontroller message packer and parser for the ASCII format in different protocols.
asip (/libraries/asip)	A library to control a board using a stream (e.g., serial)
asip-services (/libraries/asip-services)	A library to extend the core Asip library with additional services
Aspen SIM800 (/libraries/aspen-sim800)	A comprehensive SIM800 Series library for simplified and in-depth chip access.
AsyncDelay (/libraries/async-delay)	Simple abstraction library implementing delays and timeouts.
ATMlib (/libraries/at-mlib)	The Arduboy Tracker Music library.
AtTouch (/libraries/at-touch)	Arduino Library for the Atmel AT42QT1070 QTouch 7-channel Sensor IC via i2c.
Audio (/libraries/audio)	Allows playing audio files from an SD card. For Arduino DUE only.
AudioFrequencyMeter (/libraries/audio-frequency-meter)	Get the fundamental pitch of an audio signal
AudioZero (/libraries/audio-zero)	Allows playing audio files from an SD card. For Arduino Zero and MKR1000 only.
AutoAnalogAudio (/libraries/auto-analog-audio)	Automated analog reads and analog output (streaming) using Arduino DAC(or PWM), ADC, DMA and Timers
AutoPID (/libraries/auto-pid)	Automatic PID controller
Automaton (/libraries/automaton)	A multi tasking table driven finite state machine framework
Automaton-Esp8266 (/libraries/automaton-esp8266)	Esp8266 State Machines for the Automaton Framework
AVR Standard C Time Library (/libraries/avr-standard-c-time-library)	Time functions for AVR (Goldilocks, Uno, Leonardo, Mega).
AVRUtils (/libraries/avr-utils)	AVRUtils
Awesome (/libraries/awesome)	The library that supports the Awesome Shield PCB.
AWS-SDK-ESP8266 (/libraries/aws-sdk-esp8266)	SDK for AWS using ESP8266
AzureIoTHub (/libraries/azure-io-t-hub)	Azure IoT library for Arduino. For the Arduino MKR1000 or Zero and WiFi Shield 101, Adafruit Huzzah and Feather M0, or SparkFun Thing.
AzureIoTHubMQTTClient (/libraries/azure-io-t-hub-mqtt-client)	Azure IoT Hub client library for ESP8266 via MQTT protocol.
AzureIoTProtocol_HTTP (/libraries/azure-io-t-protocol_http)	Azure HTTP protocol library for Arduino. For the Arduino MKR1000 or Zero and WiFi Shield 101, Adafruit Huzzah and Feather M0, or SparkFun Thing.
AzureIoTProtocol_MQTT (/libraries/azure-io-t-protocol_mqtt)	Azure MQTT protocol library for Arduino. For the Arduino MKR1000 or Zero and WiFi Shield 101, Adafruit Huzzah and Feather M0, or SparkFun Thing.
AzureIoTUtility (/libraries/azure-io-t-utility)	Azure C shared utility library for Arduino. For the Arduino MKR1000 or Zero and WiFi Shield 101, Adafruit Huzzah and Feather M0, or SparkFun Thing.
Babelduino (/libraries/babelduino)	A library that allows writing and highlighting code in local language.
Balboa32U4 (/libraries/balboa32-u4)	Balboa 32U4 Arduino library
BaroLibrary (/libraries/baro-library)	Library for Measurement Specialties MS5637-02BA03 Altimeter/Pressure sensor (including Freetronics BARO module).
base64 (/libraries/base64)	Base64 encoder/decoder for arduino repo
BasicLinearAlgebra (/libraries/basic-linear-algebra)	A library for representing matrices and doing matrix math on arduino
Battery Sense (/libraries/battery-sense)	Arduino battery sensing library
bbPrinter (/libraries/bb-printer)	The simplest library to print in paper using 3 axis
BigCrystal (/libraries/big-crystal)	A library that displays double height characters on LCD displays.

BitBool (/libraries/bit-bool)	The ultimate bit manipulation tool.
Bitcraze PMW3901 (/libraries/bitcraze-pmw3901)	PMW3901 Optical flow sensor driver.
BLEPeripheral (/libraries/ble-peripheral)	An Arduino library for creating custom BLE peripherals.
BLE SDK for Arduino (/libraries/ble-sdk-for-arduino)	Nordic BLE SDK for Arduino for nRF8001 products such as the BLE Shield, Blend and Blend Micro.
BLESerial (/libraries/ble-serial)	A library to communicate with BLE Serial Modules
Bleeper (/libraries/bleeper)	A library to store generic configurations.
BlueDot BME280 Library (/libraries/blue-dot-bme280-library)	BlueDot library for BME280 sensors.
BlueRobotics Arduino_I2C_ESC Library (/libraries/blue-robotics-arduino_i2-c_esc-library)	A library for I2C based control of BlueRobotics ESCs
BlueRobotics Keller LD Library (/libraries/blue-robotics-keller-ld-library)	A simple and easy library for the Keller LD series pressure/depth sensors
BlueRobotics MS5837 Library (/libraries/blue-robotics-ms5837-library)	A simple and easy library for the MS5837 pressure/depth sensor
BlueRobotics TSYS01 Library (/libraries/blue-robotics-tsys01-library)	A simple and easy library for the TSYS01 temperature sensor
Blynk (/libraries/blynk)	Build a smartphone app for your project in minutes!
BME280 (/libraries/bme280)	Provides a library for reading and interpreting Bosch BME280 environmental sensor data over I2C, SPI or Sw SPI.
BobaBlox (/libraries/boba-blox)	A library that makes it easy to code simple hardware interactions with the Arduino.
Boodskap Message library (/libraries/boodskap-message-library)	Arduino library for sending sensor messages to Boodskap IoT Platform
Bounce2 (/libraries/bounce2)	Debouncing library for Arduino and Wiring.
BowlerCom (/libraries/bowler-com)	A library to communicate between an arduino and a computer.
BPLib (/libraries/bp-lib)	This library simplifies using the RN-42 Bluetooth Module
Braccio (/libraries/braccio)	Allows to move each Braccio parts using simple calls.
Brasilino (/libraries/brasilino)	Biblioteca de tradução e facilitação de funções para Arduino em PT-BR
Bridge (/libraries/bridge)	Enables the communication between the Linux processor and the microcontroller. For Arduino/Genuino Yún, Yún Shield and TRE only.
BridgeHttpClient (/libraries/bridge-http-client)	A practical and easy to use generic HTTP client library for the Yun.
Brief (/libraries/brief)	A scriptable firmware and protocol for interfacing hardware.
Brushless Servo (/libraries/brushless-servo)	A library to use Brushless Motors with Servo syntax.
Brzo I2C (/libraries/brzo-i2-c)	Brzo I2C is a fast I2C Implementation written in Assembly for the esp8266
BTLE (/libraries/btle)	Arduino library for basic Bluetooth LE communication.
BufferUtils (/libraries/buffer-utils)	An Arduino library for working with Buffers.
Buffered Streams (/libraries/buffered-streams)	Implementation of Arduino's Stream class which use internal ring buffers to emulate a pair of connected Streams or a Loopback Stream.
Button (/libraries/button)	Button is a tiny library to make reading buttons very simple.

ButtonDebounce (/libraries/button-debounce)	A library that makes easy to use button with debounce.
Buzz (/libraries/buzz)	AC/static electricity-based motion detection using only the ADC and a wire!
ByteConvert (/libraries/byte-convert)	Library for converting variables to bytes and reverse
cI2C (/libraries/c-i2-c)	Arduino Hardware I2C for AVR (in plain c)
cQueue (/libraries/c-queue)	Queue handling library (written in plain c)
Callback (/libraries/callback)	A simple implementation of Signals and Slots for writing more flexible callbacks
CapacitiveSensor (/libraries/capacitive-sensor)	Create capacitive sensors that can detect touch or proximity.
CaptureTimer (/libraries/capture-timer)	Arduino Input Capture Library
Cardinal (/libraries/cardinal)	An Arduino library that takes input in degrees and output a string or integer for the 4, 8, 16, or 32 compass headings (like North, South, East, and West).
CarreraDigitalControlUnit (/libraries/carrera-digital-control-unit)	Carrera® DIGITAL 124/132 interface library for Arduino and mbed OS
Cayenne (/libraries/cayenne)	Connect your Arduino device to the Cayenne IoT platform.
CayenneLPP (/libraries/cayenne-lpp)	CayenneLPP Arduino Library.
CayenneMQTT (/libraries/cayenne-mqtt)	Connect a device to the Cayenne dashboard using MQTT.
CC3000 MDNS (/libraries/cc3000-mdns)	Simple multicast DNS name resolution library for Adafruit's CC3000 and Arduino.
CD74HC4067 (/libraries/cd74-hc4067)	A library for interfacing with the CD74HC4067 Mux.
Charge n Boost (/libraries/charge-n-boost)	A library for the Charge 'n Boost lithium charger and usb booster
CheapStepper (/libraries/cheap-stepper)	A library for the cheap but useful 28BYJ-48 5v stepper motor with ULN2003 driver board
Chrono (/libraries/chrono)	Chronometer/stopwatch library that counts the time passed since started.
Chronos (/libraries/chronos)	Easily manipulate date-times to perform scheduling, setup calendars and find points in time that are of interest.
Ciao (/libraries/ciao)	Enables communication between microcontroller and MIPS cpu. Natively support network communications, terminal (linux) and file access.
Circios Roboter-Steuerung (/libraries/circios-roboter-steuerung)	Arduino-Bibliothek zum Ansteuern des "Circios" Schulroboters
CircularBuffer (/libraries/circular-buffer)	Arduino circular buffer library
ClosedCube BME680 (/libraries/closed-cube-bme680)	Arduino library for Bosch Sensortec BME680 integrated environmental (temperature, humidity, pressure, gas and in-door air quality) sensor
ClosedCube HDC1010 (/libraries/closed-cube-hdc1010)	Arduino library for Texas Instruments HDC1010 Low Power, High Accuracy Digital Humidity Sensor with Temperature Sensor
ClosedCube HDC1080 (/libraries/closed-cube-hdc1080)	Arduino library for Texas Instruments HDC1080 Low Power, High Accuracy Digital Humidity Sensor with Temperature Sensor
ClosedCube LPS25HB (/libraries/closed-cube-lps25-hb)	Arduino library for STMicroelectronics LPS25HB MEMS pressure sensor: 260-1260 hPa absolute digital output barometer
ClosedCube MAX30205 (/libraries/closed-cube-max30205)	Arduino library for Maxim Integrated MAX30205 Human Body Temperature Sensor
ClosedCube OPT3001 (/libraries/closed-cube-opt3001)	Arduino library for Texas Instruments OPT3001 Digital Ambient Light Sensor (ALS)

ClosedCube OPT3002 (/libraries/closed-cube-opt3002)	Arduino library for Texas Instruments OPT3002 Light to Digital Sensor
ClosedCube SHT31D (/libraries/closed-cube-sht31-d)	Arduino library for Sensirion SHT30-D, SHT31-D and SHT35-D Digital I2C Temperature & Humidity Sensors
ClosedCube Si7051 (/libraries/closed-cube-si7051)	Arduino library for Silicon Labs Si7051 ±0.1°C Digital Temperature Sensor breakout board
ClosedCube Si7055 (/libraries/closed-cube-si7055)	Arduino library for Silicon Labs Si7055 ±0.5°C Digital Temperature Sensor breakout board
ClosedCube TCA9538 (/libraries/closed-cube-tca9538)	Arduino library for Texas Instruments TCA9538 Remote 8-Bit I2C and SMBus Low-Power I/O Expander
ClosedCube TCA9546A (/libraries/closed-cube-tca9546-a)	Arduino library for Texas Instruments TCA9546A 4-Channel I2C Multiplexer/Switch With Reset Function
ClosedCube TSYS01 (/libraries/closed-cube-tsys01)	Arduino library for TE CONNECTIVITY TSYS01 +/-0.1C 24-bit Digital Temperature Sensor
CmdMessenger (/libraries/cmd-messenger)	A serial messaging library for the Arduino and .NET/Mono platform.
CmdParser (/libraries/cmd-parser)	A simple and most powerfull cmd parser with small memory footprint
CMMC Easy (/libraries/cmmc-easy)	CMMC Easy is a library for managing time without delay function
CMMC MQTT Connector (/libraries/cmmc-mqtt-connector)	MQTT Connector library
CMMC OTA (/libraries/cmmc-ota)	CMMC OTA
CMMC WiFi Connector (/libraries/cmmc-wi-fi-connector)	WiFiConnector by CMMC
CMMC_LED (/libraries/cmmc_led)	An easy led controller
CoAP simple library (/libraries/co-ap-simple-library)	Simple CoAP client/server library for generic Arduino Client hardware.
CoDrone (/libraries/co-drone)	A library for CoDrone users
Codec2 (/libraries/codec2)	The Codec2 library is a proof-of-concept for running the Codec2 audio codec on an Arduino-compatible Adafruit Feather nRF52 Bluefruit LE board.
CoinMarketCapApi (/libraries/coin-market-cap-api)	A wrapper for the CoinMarketCap.com Api (supports ESP8266 & WiFi101 boards)
Comp6DOF_n0m1 (/libraries/comp6-dof_n0m1)	An Arduino Library for compass tilt compensation and hard iron offset
ConfigManager (/libraries/config-manager)	ESP8266 WiFi connection manager
ConfigurableFirmata (/libraries/configurable-firmata)	This library implements the Firmata protocol as a set of plugins that can be used to create applications to remotely interface with an Arduino board.
ConnectThings_ESP8266 (/libraries/connect-things_esp8266)	Allows communication with WiFi network for all Arduino boards.
Constellation (/libraries/constellation)	Arduino/ESP library for Constellation 1.8
ControleForno (/libraries/controle-forno)	Uma biblioteca para controle e automacao de forno tipo esteira.
ControlledServo (/libraries/controlled-servo)	A library to have more control over the movement of a servo.
CONTROLLINO (/libraries/controllino)	Support library for CONTROLLINO PLC boards
CoogleIOT (/libraries/coogle-iot)	An IOT library for ESP8266-12 to provide WiFi Configuration, MQTT Client, OTA updates and more.
Coordinates (/libraries/coordinates)	Allow easy and reliable conversion between cartesian and polar coordinate system.

CopyThreads (/libraries/copy-threads)   A lightweight threading library

CPPTasks (/libraries/cpp-tasks)   A simple hardware agnostic library written in C++11 implementing coroutines/state machines

CRC Simula Library (/libraries/crc-   Support Library for Chicago Robotics Simula Boards.
simula-library)

CRC VCNL4200 Library (/libraries/crc-   Library for control of the Vishay VCNL4200 proximity and ambient light sensor package. Now includes limited interrupt
vcnl4200-library)   support.

CRC32 (/libraries/crc32)   An Arduino library for calculating a CRC32 checksum.

Cytron 3A Motor Driver Shield   Library for controlling Cytron 3A Motor Driver Shield
(/libraries/cytron-3-a-motor-driver-
shield)

Cytron ESPWiFi Shield   Library for Cytron ESPWiFi Shield
(/libraries/cytron-esp-wi-fi-shield)

Cytron G15 Shield (/libraries/cytron-   Library for controlling G15 Cube Servo
g15-shield)

DABDUINO (/libraries/dabduino)   Library for controlling DABDUINO - DAB/DAB+ (digital radio) shield

DallasTemperature (/libraries/dallas-   Arduino Library for Dallas Temperature ICs
temperature)

DataServeriOS (/libraries/data-   Serves data to Arduino Control (iOS) for control over network.
serveri-os)

DatavisionLCD (/libraries/datavision-   This library allows communication with Phico Datavision LCD.
lcd)

dbg-trace (/libraries/dbg-trace)   Debug Trace component for Embedded Applications - Debug and Trace Log message system based on trace ports with
                                               adjustable levels.

DCF77 (/libraries/dcf77)   Read and decode the atomic time broadcasted by the DCF77 radiostation.

dcf77_xtal (/libraries/dcf77_xtal)   DCF77 decoder with excellent noise tolerance.

DDS (/libraries/dds)   A library for use with HamShield by Enhanced Radio Devices.

debug-cli (/libraries/debug-cli)   Debug CLI for Embedded Applications - Command Line Interface for debugging and testing based on an object oriented
                                               tree structure.

DecodeIR (/libraries/decode-ir)   A library for decoding IR signals.

DeepSleepScheduler (/libraries/deep-   Lightweight, cooperative task scheduler with configurable sleep and task supervision.
sleep-scheduler)

DFPlayer Mini Mp3 by Makuna   Library for the DFPlayer Mini Mp3 module
(/libraries/df-player-mini-mp3-by-
makuna)

DFRobotDFPlayerMini (/libraries/df-   Driver for DFPlayer Mini from DFRobot
robot-df-player-mini)

DFRobotIRPosition (/libraries/df-   Driver for Positioning ir camera from DFRobot
robot-ir-position)

DFW (/libraries/dfw)   Tele-op and autonomous change over for WPI RBE platform.

DHT sensor library (/libraries/dht-   Arduino library for DHT11, DHT22, etc Temp & Humidity Sensors
sensor-library)

DIGI-DOT-BOOSTER Library   An easy to use library to control the DD-Booster.
(/libraries/digi-dot-booster-library)

DigitLedDisplay (/libraries/digit-led-   MAX7219/MAX7221 Digital Tube 7-Segment LED Display Library
display)

DigitalIO (/libraries/digital-io)   Fast digital IO.

DimSwitch (/libraries/dim-switch)   A library to control dimmable ballasts for fluorescent light tubes.

Dimmer class for ATmega32U4
(/libraries/dimmer-class-for-a-
tmega32-u4)

Easy use of 10/12 bit PWM outputs on ATmega32U4 for dimmer applications.

Dimmer class for SAMD21
(/libraries/dimmer-class-for-samd21)

Easy use of PWM outputs on SAMD21 for dimmer applications.

DLPacket (/libraries/dl-packet)

Structure a collection numerical data to be sent through a stream into a well-defined packet.

DMD2 (/libraries/dmd2)

Updated (beta) library for Freetronics DMD dot matrix displays.

DMXSerial (/libraries/dmx-serial)

Enables DMX communication using the built-in serial port for Arduino boards UNO, Leonardo, Mega.

DMXSerial2 (/libraries/dmx-serial2)

Enables building DMX/RDM devices using the built-in serial port for Arduino boards UNO, Leonardo, Mega.

DmxSimple (/libraries/dmx-simple)

Drive DMX controlled lights and visual effects available from DJ or theatrical suppliers.

DMXUSB (/libraries/dmxusb)

DMXUSB emulates an ENTTEC-compatible DMXKing USB to DMX serial device with one or two universes

DoubleResetDetector
(/libraries/double-reset-detector)

Library to detect a double reset, using ESP8266 RTC Memory.

DPS310 (/libraries/dps310)

This library provides an interface to communicate with the DPS310.

DRA818 (/libraries/dra818)

Configure and communicate with FM module DRA818.

DRV8835MotorShield
(/libraries/drv8835-motor-shield)

Arduino library for the Pololu DRV8835 Dual Motor Driver Shield

DS1307 Emulator (/libraries/ds1307-
emulator)

An emulator of the DS1307, which transform the Arduino in an RTC chip without actually having a physical RTC.

DS1307RTC (/libraries/ds1307-rtc)

Use a DS1307 Real Time Clock chip with the Time library

DS1307newAlarms
(/libraries/ds1307new-alarms)

Adding weekday alarms to the DS1307 RTC functionality

DS1624 (/libraries/ds1624)

A library to interface with Maxim DS1624 temperature sensor and memory.

DS3231 (/libraries/ds3231)

Arduino library for the DS3231 real-time clock (RTC)

DualG2HighPowerMotorShield
(/libraries/dual-g2-high-power-motor-
shield)

Arduino library for the Pololu Dual G2 High Power Motor Driver Shields

DualMC33926MotorShield
(/libraries/dual-mc33926-motor-
shield)

Arduino library for the Pololu Dual MC33926 Motor Driver Shield

DualVNH5019MotorShield
(/libraries/dual-vnh5019-motor-
shield)

Arduino library for the Pololu Dual VNH5019 Motor Driver Shield

DueFlashStorage (/libraries/due-flash-
storage)

DueFlashStorage saves non-volatile data for Arduino Due.

DueTimer (/libraries/due-timer)

Timer Library fully implemented for Arduino DUE

due_can (/libraries/due_can)

Allows for CAN bus communications with the Arduino Due

Dump (/libraries/dump)

AVR dump RAM and Flash

Dusk2Dawn (/libraries/dusk2-dawn)

Get estimate time of sunrise and sunset given a set of coordinates.

DW1000 (/libraries/dw1000)

A library that offers functionality to use Decawave's DW1000 chips/modules.

Dynamixel_Servo
(/libraries/dynamixel_servo)

Dynamixel_Servo is an Arduino compatible library for controlling Dynamixel MX and RX series servos.

eBtn (/libraries/e-btn)

A library to handle Buttons based on events.

EMoRo 2560 (/libraries/e-mo-ro-
2560)

EMoRo 2560 library includes all specific libraries and examples for EMoRo 2560 controller.

E131 (/libraries/e131)

E1.31 sACN for AVR Ethernet and ESP8266.

EasyBuzzer (/libraries/easy-buzzer)	EasyBuzzer Library
EasyDDNS (/libraries/easy-ddns)	ESP8266 DDNS Update Client Library.
Easy NeoPixels (/libraries/easy-neo-pixels)	Arduino library for easily using Adafruit NeoPixels.
EasyNTPClient (/libraries/easy-ntp-client)	Library to read time from Network Time Protocol (NTP) servers.
EasySSDP (/libraries/easy-ssdp)	Easy, single function SSDP setup.
EasyTask (/libraries/easy-task)	A lightweight but powerful implementation of tasking manager.
EasyUI (/libraries/easy-ui)	ESP8266 User Interface Library.
EasyVR (/libraries/easy-vr)	A library for the EasyVR line of products.
EasyWebServer (/libraries/easy-web-server)	An easy-to-use web server
Easyuino (/libraries/easyuino)	Easyuino Library offer a set of APIs to interact with some sensors and devices connected with Arduino
EC_Salinity (/libraries/ec_salinity)	Monitor hydroponic nutrient levels, salinity levels in aquariums or the ocean, saltwater pools, soil salinity, water quality etc.
EDB (/libraries/edb)	Extended Database Library
EduShield (/libraries/edu-shield)	Display library for Arduino101.cz EDUshield
EducationShield (/libraries/education-shield)	Library used for the completion of all the projects related to CTC
EEWrap (/libraries/ee-wrap)	A convenient library allowing one to use the EEPROM just like RAM.
EEPROMEx (/libraries/eeprom-ex)	Extension of the standard Arduino EEPROM library.
EEPROMWearLevel (/libraries/eeprom-wear-level)	EEPROMWearLevel reduces EEPROM wear by writting a new value to an other EEPROM location.
EEPROM_CAT25 (/libraries/eeprom_cat25)	Driver for On Semiconductor CAT25 SPI EEPROM chips for AVR, SAM3X (Due), and SAM M0+ (SAMD, SAML, SAMC) microcontrollers
egoShield (/libraries/ego-shield)	Library offering support for uStepper egoShield
elapsedMillis (/libraries/elapsed-millis)	Makes coding responsive sketches easier.
emGUI (/libraries/em-gui)	GUI for embedded devices
EmSevenSegment (/libraries/em-seven-segment)	Arduino library to drive multiple-digit 7-segment LED displays using HEF4094B, CD4094B, CD4094BMS, MC74HCT4094A and other 4094 shift registers.
Embedded Template Library (/libraries/embedded-template-library)	A C++ template library tailored for embedded systems.
Embedis (/libraries/embedis)	An Embedded Dictionary Server.
EmonLib (/libraries/emon-lib)	Energy Monitoring Library
EnableInterrupt (/libraries/enable-interrupt)	Assign an interrupt to any supported pin on all Arduinos, plus ATtiny 84/85 and ATmega 644/1284.
Encoder (/libraries/encoder)	Counts quadrature pulses from rotary & linear position encoders.
EnergyBoard (/libraries/energy-board)	Enables reading polyphase energy-monitor parameters of LVX EnergyBoard
ESPectro (/libraries/es-pectro)	ESPectro development board library for Arduino IDE
ESPert (/libraries/es-pert)	ESPert library for Arduino IDE
ESPiLight (/libraries/es-pi-light)	pilight 433.92 MHz protocols library for Arduino
ESP Async E1.31 (/libraries/esp-async-e1-31)	Async E1.31 sACN for ESP8266.

ESP-DASH (/libraries/esp-dash)	Create Effort-Less Dashboards to Manage your ESP8266.
ESPMail (/libraries/esp-mail)	EMail library.
EspSaveCrash (/libraries/esp-save-crash)	Automatically saves exception details and stack trace to flash in case of ESP8266 crash.
ESP32 BLE Arduino (/libraries/esp32-ble-arduino)	BLE functions for ESP32
ESP8266 Microgear (/libraries/esp8266-microgear)	A client library for ESP8266 to connect to NETPIE IOT Platform.
ESP8266MQTTClient (/libraries/esp8266-mqtt-client)	MQTT Client for ESP8266
ESP8266 Oled Driver for SSD1306 display (/libraries/esp8266-oled-driver-for-ssd1306-display)	A I2C display driver for SSD1306 oled displays connected to an ESP8266 or ESP32
ESP8266 QRcode (/libraries/esp8266-q-rcode)	ESP8266 Generate QRCode for SSD1306 oled displays 128*64 pixel
ESP8266RestClient (/libraries/esp8266-rest-client)	ESP8266 RESTful HTTP Request Library.
ESP8266Scheduler (/libraries/esp8266-scheduler)	ESP8266 Co-operative Multitasking
ESP8266 Weather Station (/libraries/esp8266-weather-station)	ESP8266 based internet connected Weather Station
esp8266_mdns (/libraries/esp8266_mdns)	mDNS queries and responses on esp8266.
Esplora (/libraries/esplora)	Grants easy access to the various sensors and actuators of the Esplora. For Arduino Esplora only.
ESPUI (/libraries/espui)	ESP32 and ESP8266 Web Interface Library
EtherSia (/libraries/ether-sia)	IPv6 library for the ENC28J60, W5500 or W5100 Ethernet controllers
Etherkit JTEncode (/libraries/etherkit-jt-encode)	Generate JT65, JT9, JT4, WSPR, and FSQ symbols on your Arduino.
Etherkit Si5351 (/libraries/etherkit-si5351)	A full-featured library for the Si5351 series of clock generator ICs from Silicon Labs
Ethernet (/libraries/ethernet)	Enables network connection (local and Internet) using the Arduino Ethernet Board or Shield.
EthernetIndustruino (/libraries/ethernet-industruino)	Library for the Industruino Ethernet module
Ethernet2 (/libraries/ethernet2)	Enables network connection (local and Internet) using W5500 based Ethernet shields.
Eventually (/libraries/eventually)	Event-based programming library for Arduino
everytime (/libraries/everytime)	A easy to use library for periodic code execution.
ExodeCore (/libraries/exode-core)	Communication between Arduino microcontroller boards and a connected computers.
Exosite (/libraries/exosite)	Easily interface with Exosite's device HTTP API.
ExponentMap (/libraries/exponent-map)	Generates an exponentially growing array based on provided number of steps and maximum value.
extEEPROM (/libraries/ext-eeprom)	Arduino library to support external I2C EEPROMs.
fDigitsSegtPin (/libraries/f-digits-segt-pin)	Power the basic 4 digits 7 segments display
FaBo 201 3Axis ADXL345 (/libraries/fa-bo-201-3-axis-adxl345)	A library for FaBo 3AXIS I2C Brick
FaBo 202 9Axis MPU9250 (/libraries/fa-bo-202-9-axis-mpu9250)	A library for FaBo 9Axis I2C Brick

FaBo 203 Color S11059 (/libraries/fa-bo-203-color-s11059)   A library for FaBo Color I2C Brick

FaBo 204 Baromter MPL115A2 (/libraries/fa-bo-204-baromter-mpl115-a2)   A library for FaBo Barometer I2C Brick

FaBo 205 Proximity VCNL4010 (/libraries/fa-bo-205-proximity-vcnl4010)   A library for FaBo Proximity I2C Brick

FaBo 207 Temperature ADT7410 (/libraries/fa-bo-207-temperature-adt7410)   A library for FaBo Temperature I2C Brick

FaBo 208 Humidity HTS221 (/libraries/fa-bo-208-humidity-hts221)   A library for FaBo Humidity I2C Brick

FaBo 209 KTemp MCP3421 (/libraries/fa-bo-209-k-temp-mcp3421)   A library for FaBo KTemp I2C Brick

FaBo 210 GPIO PCAL6408A (/libraries/fa-bo-210-gpio-pcal6408-a)   A library for FaBo GPIO I2C Brick

FaBo 211 7Segment LED TLC59208F (/libraries/fa-bo-211-7-segment-led-tlc59208-f)   A library for FaBo 7Segment LED I2C Brick

FaBo 212 LCD PCF8574 (/libraries/fa-bo-212-lcd-pcf8574)   A library for FaBo LCD I2C Brick

FaBo 213 LCD mini AQM0802A (/libraries/fa-bo-213-lcd-mini-aqm0802-a)   A library for FaBo LCD mini I2C Brick

FaBo 214 OLED EROLED096 (/libraries/fa-bo-214-oled-eroled096)   A library for FaBo OLED I2C Brick

FaBo 215 RTC PCF2129 (/libraries/fa-bo-215-rtc-pcf2129)   A library for FaBo RTC I2C Brick

FaBo 217 Ambient Light ISL29034 (/libraries/fa-bo-217-ambient-light-isl29034)   A library for FaBo Ambient Light I2C Brick

FaBo 307 BLE Nordic (/libraries/fa-bo-307-ble-nordic)   A library for nRF5x.

FaBoBLE-BLE113 (/libraries/fa-bo-ble-ble113)   A library for SiliconLabs BLE113.

FacebookApi (/libraries/facebook-api)   A wrapper for the Facebook Graph API for Arduino (supports ESP8266 & WiFi101 boards)

FadeLed (/libraries/fade-led)   Makes fading LEDs easy

FanController (/libraries/fan-controller)   Arduino Library for controlling PC fans

FastGPIO (/libraries/fast-gpio)   Faster general-purpose I/O

FastLED (/libraries/fast-led)   Multi-platform library for controlling dozens of different types of LEDs along with optimized math, effect, and noise functions.

FatFs (/libraries/fat-fs)   FAT file system based on open-source FatFS solution.

FCWRobot_Model2 (/libraries/fcw-robot_model2)   The library array that is needed for the FCW Robot Model2.

FifteenStep (/libraries/fifteen-step)   A general purpose Arduino MIDI sequencer library.

FingerLib (/libraries/finger-lib)   Allows for servo-like functionality for finger control. For Atmega 2560 (Almond PCB) and Arduino Zero (Chestnut) only.

FIR filter (/libraries/fir-filter)   FIR filter library for the Arduino.

Firmata (/libraries/firmata)   Enables the communication with computer apps using a standard serial protocol. For all Arduino/Genuino boards.

FirmataWithDeviceFeature   This library implements the Firmata protocol as a set of plugins that can be used to create applications to remotely
(/libraries/firmata-with-device-   interface with an Arduino board.
feature)

FirstBuild - Relay (/libraries/first-   Control a relay by specifying a period and duty cycle.
build-relay)

FixedPoints (/libraries/fixed-points)   A template library for defining fixed point types of varying sizes.

Flash (/libraries/flash)   A library to wrap accessing and writing to flash

FlashStorage (/libraries/flash-storage)   The FlashStorage library aims to provide a convenient way to store and retrieve user's data using the non-volatile flash
                                            memory of microcontrollers.

FlexiPlot Arduino Library   Arduino library for FlexiPlot.
(/libraries/flexi-plot-arduino-library)

Fram (/libraries/fram)   FRAM library for Industruino

FreeRTOS (/libraries/free-rtos)   Real Time Operating System implemented for AVR (Uno, Leonardo, Mega).

FreqCount (/libraries/freq-count)   FreqCount measures the frequency of a signal by counting the number of pulses during a fixed time.

FreqMeasure (/libraries/freq-measure)   FreqMeasure measures the elapsed time during each cycle of an input frequency.

FrequencyTimer2   Generate a frequency using Timer2
(/libraries/frequency-timer2)

FTOLED (/libraries/ftoled)   Library to drive Freetronics OLED128 128x128 display.

FTRGBLED (/libraries/ftrgbled)   Freetronics RGBLED module (WS2801-based) driver library.

GadgetBox (/libraries/gadget-box)   Enclosure and Universal Hardware for IoT Gadgets.

Gadgetron Libraries   Collection of Libraries for the Gadgetron software.
(/libraries/gadgetron-libraries)

Gamebuino (/libraries/gamebuino)   Create your own games on a fun and retro console.

Gamer (/libraries/gamer)   A library for the DIY Gamer Kit by Technology Will Save Us.

GamerIR (/libraries/gamer-ir)   Infrared communication library for the DIY Gamer Kit by Tech Will Save Us

Gaussian (/libraries/gaussian)   Gaussian math, Kalman Filters and Moving Averages made easy

Geometry (/libraries/geometry)   A library for working with points, rotations and coordinate transformations in 3D space

ghaemShopSmSim (/libraries/ghaem-   arduino SMS Remote Controler over ghaemShopSmSim protocol
shop-sm-sim)

GhostLab42Reboot (/libraries/ghost-   Arduino library for GhostLab42's Reboot Triple-Display Board Set
lab42-reboot)

GKScroll (/libraries/gk-scroll)   Arduino library for scrolling long lines of text on an LCD screen.

GoPRO (/libraries/go-pro)   GoPRO API library for Arduino

GobbitLineCommand   Basic to advanced line following, intersection detection, basic motor control, battery monitoring, gripper control, and basic
(/libraries/gobbit-line-command)   collision detection with the Gobbit robot.

Goldilocks Analogue DAC Library   DAC (MCP4822) functions for Goldilocks Analogue
(/libraries/goldilocks-analogue-dac-
library)

Goldilocks Analogue SPI RAM Library   Firmware for SPI solid state memory (including SRAM, FRAM, EEPROM) devices for Goldilocks Analogue
(/libraries/goldilocks-analogue-spi-
ram-library)

GoogleMapsApi (/libraries/google-   A wrapper for the Google Maps API for Arduino (supports ESP8266 & WiFi101 boards)
maps-api)

GP20U7 GPS Library (/libraries/gp20-u7-gps-library)	A simple library for the GP20U7 GPS unit
GPRSbee (/libraries/gpr-sbee)	An Arduino library for the SODAQ GPRSbee.
GroveEncoder (/libraries/grove-encoder)	Grove Encoder Library
GSL1680 (/libraries/gsl1680)	Driver for GSL1680
GSM (/libraries/gsm)	Enables GSM/GRPS network connection using the Arduino GSM Shield. For all Arduino boards BUT Arduino DUE.
GSM-Playground (/libraries/gsm-playground)	A library for GSM Playground device.
GSMSim (/libraries/gsm-sim)	A library which manages GSM modules.
GuaraTeca_Hardware (/libraries/guara-teca_hardware)	Bibliotecas de controle de diversas plataformas roboticas em baixo nivel.
GuaraTeca_Menu (/libraries/guara-teca_menu)	Biblioteca de controle de diversas plataformas roboticas.
GuaraTeca_OBR (/libraries/guara-teca_obr)	Biblioteca de controle de diversas plataformas roboticas.
Guarateca_Demo (/libraries/guarateca_demo)	Biblioteca para amostra do funcionamento da Super-Biblioteca Guarateca, para o controle das mais diversas plataformas roboticas.
HaLakeKit (/libraries/ha-lake-kit)	A library to control hakale kit.
HaLakeKitFirst (/libraries/ha-lake-kit-first)	A library to define communication between HaLakeKitFirst blocks.
HalfStepper (/libraries/half-stepper)	An Arduino library to enable half-stepping and single/dual phasing for step motors.
HamShield (/libraries/ham-shield)	A library for use with HamShield by Enhanced Radio Devices.
HamShield_KISS (/libraries/ham-shield_kiss)	A library for use with HamShield by Enhanced Radio Devices.
HardWire (/libraries/hard-wire)	A spinoff of the Wire. This library allows you to communicate with I2C and Two Wire Interface devices, and control each step of any I2C transaction.
HardwareSerial_RS485 (/libraries/hardware-serial_rs485)	Concurrent multi-drop (i.e. multi-master, multi-slave) RS485 communication library
hd44780 (/libraries/hd44780)	Extensible hd44780 LCD library.
HDC1000 (/libraries/hdc1000)	A temperature and humidity sensor library for HDC1000
HeatpumpIR (/libraries/heatpump-ir)	Heatpump / Air Conditioner infrared control
Helium (/libraries/helium)	Arduino library for the Helium Atom module
HexFabQuadroMotorShield (/libraries/hex-fab-quadro-motor-shield)	Control up to four DC Motors and read their currents with this shield.
HID-Project (/libraries/hid-project)	Extended HID Functions for Arduino
HIH61xx (/libraries/hih61xx)	Library to access Honeywell HIH61xx humidity and temperature sensors.
HL1606 LED Strip (/libraries/hl1606-led-strip)	Code to control HL1606-based LED strips
HL1606 LED Strip PWM (/libraries/hl1606-led-strip-pwm)	All the joy of HL1606 LED strips but with 9 or 12 bit color control!
HP03S (/libraries/hp03-s)	A library that makes it easy to use the HP03S-sensor.
HT1632 (/libraries/ht1632)	Arduino library code for HT1632(C) matrix panel driver chips, and the panels we have in the Adafruit shop
HTS221 (/libraries/hts221)	Capacitive digital sensor for relative humidity and temperature.
HttpClient (/libraries/http-client)	Library to easily make HTTP GET, POST and PUT requests to a web server.

hueDino (/libraries/hue-dino)   Philips Hue library for Arduino.

HX711_ADC (/libraries/hx711_adc)   Arduino library for the HX711 24-bit ADC for weight scales

IBot (/libraries/i-bot)   Arduino library for I-Bot camp.

IRremote (/libraries/i-rremote)   Send and receive infrared signals with multiple protocols

IRremoteESP8266 (/libraries/i-   Send and receive infrared signals with multiple protocols (ESP8266)
rremote-esp8266)

I2C-Sensor-Lib iLib (/libraries/i2-c-   Library for i2c-sensors and some other specific functions (fast eFn, HDLC, SpektrumSerial).
sensor-lib-i-lib)

I2CSoilMoistureSensor (/libraries/i2-   Provide access to all functions of the I2C Soil Moisture Sensor from Catnip Electronics.
c-soil-moisture-sensor)

I2cDiscreteIoExpander (/libraries/i2c-   Arduino library for the Texas Instruments PCF8575C 16-bit I2C I/O expander.
discrete-io-expander)

i2c_adc_ads7828   Arduino library for the Texas Instruments ADS7828 12-bit, 8-channel I2C A/D converter.
(/libraries/i2c_adc_ads7828)

i2cdetect (/libraries/i2cdetect)   Arduino library for scanning I2C bus for devices

IBM LMIC framework (/libraries/ibm-   Arduino port of the LMIC (LoraWAN-in-C, formerly LoraMAC-in-C) framework provided by IBM.
lmic-framework)

IFTTTMaker (/libraries/ifttt-maker)   A helper library for triggering IFTTT maker events (ESP8266 & Wifi-101)

IHCSoapClient (/libraries/ihc-soap-   A Library for connecting to the IHC Controller using soap
client)

ILI9341_t3 (/libraries/ili9341_t3)   Optimized ILI9341 (320x240 Color TFT) Display

Indio (/libraries/indio)   Library for the Industruino IND.I/O product

IndustrialShields (/libraries/industrial- Industrial Shields devices library
shields)

Infrared (/libraries/infrared)   An object oriented library for sending, receiving, and analyzing IR signals on the Arduino.

Ingenia Serial Servo Drive Library   Arduino library for control Ingenia Servo Drives using serial communication.
(/libraries/ingenia-serial-servo-drive-
library)

IniFile (/libraries/ini-file)   Library to read and parse .ini files.

InkyBoard (/libraries/inky-board)   Bibliotheek om gebruik te maken van het InkyBoard van InkyCode

InputDebounce (/libraries/input-   Simple polling input debounce Arduino library.
debounce)

InstructableApi   A wrapper for the Instructables API for Arduino (supports ESP8266 & WiFi101 boards)
(/libraries/instructable-api)

IoTPipe (/libraries/io-t-pipe)   A library to use with the IoT Pipe web service.

IoTtweet (/libraries/io-ttweet)   A library that makes Internet of Things send data and control on IoTtweet.com.

IoTtweetESP32 (/libraries/io-ttweet-   A library that makes Internet of Things send data and control on IoTtweet.com.
esp32)

Iobeam (/libraries/iobeam)   Client library for using the iobeam cloud.

Iondb (/libraries/iondb)   A powerful key-value store for all data storage needs.

IOTAppStory-ESP8266 (/libraries/iot-   Livecycle Infrastructure for IOT Devices
app-story-esp8266)

IRLremote (/libraries/ir-lremote)   Lightweight Infrared library for Arduino

IRRemoteControl (/libraries/ir-   A lightweight library for send/receive infra-red signal.
remote-control)

Itty Bitty (/libraries/itty-bitty)	With the fastest possible Arduino-compatible GPIO and register manipulation...It's the biggest of hits when you need to bang bits!
JLed (/libraries/j-led)	An Arduino library to control LEDs
J1850 Arduino Transceiver Library (/libraries/j1850-arduino-transceiver-library)	Arduino library for J1850-Arduino-Transceiver
JeVe_EasyOTA (/libraries/je-ve_easy-ota)	Easy include OTA Updates
jm_CPPM (/libraries/jm_cppm)	A CPPM Library for Arduino.
jm_LiquidCrystal_I2C (/libraries/jm_liquid-crystal_i2-c)	My enhanced LiquidCrystal_I2C Arduino Library.
jm_Pin (/libraries/jm_pin)	Pin Arduino Library.
jm_Scheduler (/libraries/jm_scheduler)	A Scheduler Library for Arduino.
jm_Wire (/libraries/jm_wire)	Revisited Arduino Wire Library.
JPEGDecoder (/libraries/jpeg-decoder)	Jpeg decoder tested with Arduino Mega, Arduino Due and ESP8266 based NodeMCU 1.0
Json Streaming Parser (/libraries/json-streaming-parser)	A very memory efficient library to parse (large) JSON objects on small devices
JTAG (/libraries/jtag)	A library to perform JTAG operations and play XSVF.
kRPC (/libraries/k-rpc)	Client library for kRPC, a Remote Procedure Call server for Kerbal Space Program.
Kalman Filter Library (/libraries/kalman-filter-library)	Kalman Filter Library.
KeyDetector (/libraries/key-detector)	A library for detecting state change on analog and digital pins.
Keyboard (/libraries/keyboard)	Allows an Arduino/Genuino board with USB capabilites to act as a Keyboard.
KeyboardAzertyFr (/libraries/keyboard-azerty-fr)	Keyboard library adaptation that allows an Arduino/Genuino board with USB capabilites to act as a french AZERTY Keyboard.
keyboardButton (/libraries/keyboard-button)	Convinient way to map a push-button to a keyboard key. This library utilize the ability of 32u4-based Arduino-compatible boards to emulate USB-keyboard.
keybrd (/libraries/keybrd)	A library for creating custom-keyboard firmware.
Keypad (/libraries/keypad)	Keypad is a library for using matrix style keypads with the Arduino.
KONNEKTING Device Library (/libraries/konnekting-device-library)	A library that enables creating KNX devices powered by Arduino.
KTMS1201 (/libraries/ktms1201)	High level library for use with the KTM-S1201 LCD
L293 (/libraries/l293)	A library to control motors with the L293x motor driver and L298x compatible modules
L298N (/libraries/l298-n)	L298N library for Arduino
L3G (/libraries/l3-g)	Arduino library for Pololu L3G4200D, L3GD20, and L3G4200D boards
LcdBarGraph (/libraries/lcd-bar-graph)	This library is to display analog values in an LCD display.
LcdBarGraphX (/libraries/lcd-bar-graph-x)	Visualizing alanalog values on an LCD with the LiquidCrystal_I2C library.
LcdEffects (/libraries/lcd-effects)	A library that lets you apply special effects to LCD text.
LCDMenu (/libraries/lcd-menu)	A library with you can generate a menu`s based on the nested set model with multi layers
LCDMenuLib2 (/libraries/lcd-menu-lib2)	Easy creation of a tree based menu with screensaver and multi layers.
LcdProgressBar (/libraries/lcd-progress-bar)	A library to draw some customized progress bar on any LCD display.

LcdProgressBarDouble (/libraries/lcd-progress-bar-double)	A library to draw some customized progress bar on any LCD display.
LCD03 (/libraries/lcd03)	A library for I2C control of the LCD03 20x4 and 16x2 serial LCD modules from Robot Electronics.
LCD_ST7032 (/libraries/lcd_st7032)	Arduino library for ST7032 LCD controller with i2c interface
leOS (/libraries/le-os)	Simple scheduler that run little tasks within IRSs
leOS2 (/libraries/le-os2)	Simple scheduler based on watchdog that runs little tasks within IRS
LectroboxKeypadShield (/libraries/lectrobox-keypad-shield)	Driver for the Lectrobox Keypad Shield.
LectroboxPCJoyShield (/libraries/lectrobox-pc-joy-shield)	Driver for the Lectrobox DB-15 PC Joystick Shield.
LedBlinky (/libraries/led-blinky)	Allows an Arduino/Genuino board to control the builtin led and external leds.
LedControl (/libraries/led-control)	A library for the MAX7219 and the MAX7221 Led display drivers.
LedDisplay (/libraries/led-display)	Print text to an Avago HCMS-29xx LED display.
LED Dithering (/libraries/led-dithering)	Adjustable LED brightness on every IO pin with software-controlled blinking
LEDMatrixDriver (/libraries/led-matrix-driver)	A replacement for Arduino's LedControl library for MAX7219
LedSync (/libraries/led-sync)	Arduino library to perform synchronous blinking operations with LEDs and NeoPixels.
Lewis (/libraries/lewis)	A morse code stream/print interpreter
LIDAR-Lite v3 (/libraries/lidar-lite-v3)	Arduino library for LIDAR-Lite v3.
LinkedList (/libraries/linked-list)	A fully implemented LinkedList made to work with Arduino projects
LiquidCrystal (/libraries/liquid-crystal)	Allows communication with alphanumerical liquid crystal displays (LCDs).
LiquidCrystal I2C (/libraries/liquid-crystal-i2-c)	A library for I2C LCD displays.
LiquidCrystal_PCF8574 (/libraries/liquid-crystal_pcf8574)	A library for driving LiquidCrystal displays (LCD) by using the I2C bus and an PCF8574 I2C adapter.
LiquidMenu (/libraries/liquid-menu)	Menu creation Arduino library for LCDs, extends LiquidCrystal.
LircPlayer101 (/libraries/lirc-player101)	Infrared bitbanger for Arduino 101
LIS3MDL (/libraries/lis3-mdl)	LIS3MDL magnetometer library
LIS331 (/libraries/lis331)	LIS331 triple axis acceleromenter Arduino library
LispIO (/libraries/lisp-io)	new lightweight IO function
LispMotor (/libraries/lisp-motor)	L298x driver
LitSwitch (/libraries/lit-switch)	A special library for an LED/momentary switch hardware combination.
Lixie (/libraries/lixie)	Allows for easy writing to Lixie Digit displays!
LM35 (/libraries/lm35)	Gets the raw value of LM35 and tranform to Celsius, Fahrenheit or Kelvin.
LoRa (/libraries/lo-ra)	An Arduino library for sending and receiving data using LoRa radios.
LoRaFi (/libraries/lo-ra-fi)	An Arduino library for sending and receiving data using LoRaFi board and LoRa module.
LoRa Node (/libraries/lo-ra-node)	LoRa Node library for Arduino LoRa Node Shield.
LocoNet (/libraries/loco-net)	Enables Digitrax LocoNet Communication
Log (/libraries/log)	Simple but useful macroses for logging. Allow use printf() with Serial for logging.
Logger (/libraries/logger)	An Arduino library for serial logging.
looper (/libraries/looper)	Proto-scheduler based on the use of millis()

Lora Serialization (/libraries/lora-serialization)	Library for serialization of data on the Arduino side and deserialization in the TTN
Low-Power (/libraries/low-power)	Lightweight power management library
LPD6803 RGB Pixels (/libraries/lpd6803-rgb-pixels)	Controlling library for strands of LPD6803 LED pixel dots.
LPD8806 (/libraries/lpd8806)	Arduino library for LED strips and pixels using LPD8806 (and probably LPD8803/LPD8809)
LPS (/libraries/lps)	Arduino library for Pololu LPS25H and LPS331AP boards
LPS22HB (/libraries/lps22-hb)	260-1260 hPa absolute digital output barometer.
LPS25HB (/libraries/lps25-hb)	260-1260 hPa absolute digital output barometer.
LSM303 (/libraries/lsm303)	Arduino library for Pololu LSM303 boards
LSM303AGR (/libraries/lsm303-agr)	3D accelerometer and 3D magnetometer.
LSM6 (/libraries/lsm6)	LSM6 accelerometer and gyro library
LSM6DS0 (/libraries/lsm6-ds0)	3D accelerometer and 3D gyroscope.
LSM6DS3 (/libraries/lsm6-ds3)	3D accelerometer and 3D gyroscope.
LSM6DSL (/libraries/lsm6-dsl)	3D accelerometer and 3D gyroscope.
Luni (/libraries/luni)	Implements a framework for device drivers for use on the Arduino.
LwIP (/libraries/lw-ip)	A Lightweight TCP/IP stack
M10ADC (/libraries/m10-adc)	ADC library for PulseRain M10 board.
M10CODEC (/libraries/m10-codec)	CODEC library for the Si3000 CODEC on PulseRain M10 board.
M10DTMF (/libraries/m10-dtmf)	DTMF library for PulseRain M10 board.
M10ESP8266 (/libraries/m10-esp8266)	library for ESP8266 shield.
M10Examples (/libraries/m10-examples)	Examples for PulseRain M10 board.
M10I2C (/libraries/m10-i2-c)	I2C library for PulseRain M10 board.
M10JTAG (/libraries/m10-jtag)	JTAG UART library for PulseRain M10 board.
M10PWM (/libraries/m10-pwm)	PWM library for PulseRain M10 board.
M10SD (/libraries/m10-sd)	microSD library for PulseRain M10 board.
M10SerialAUX (/libraries/m10-serial-aux)	Auxiliary Serial port library for PulseRain M10 board.
M10SRAM (/libraries/m10-sram)	SRAM (Microchip 23LC1024) library for PulseRain M10 board.
M2M Solution LM75A Library (/libraries/m2-m-solution-lm75-a-library)	M2M Solutions LM75A Arduino library.
M5Stack (/libraries/m5-stack)	Library for M5Stack Core development kit
Madgwick (/libraries/madgwick)	Helpers for MadgwickAHRS algorithm
MagAlpha Angle Sensor Library (/libraries/mag-alpha-angle-sensor-library)	Arduino library for the MPS MagAlpha magnetic angle sensor.
MagStripe (/libraries/mag-stripe)	Decode data from TTL (raw) magnetic card readers.
Mahony (/libraries/mahony)	Helpers for MahonyAHRS algorithm
MakerVision (/libraries/maker-vision)	Arduino library used by Scratch generated code on http://makervision.io
MakestroCloudClient (/libraries/makestro-cloud-client)	Library for connecting with Makestro Cloud

MAX1464 (/libraries/max1464)   A complete interface for the the Maxim MAX1464 Multichannel Sensor Signal Processor for Arduino.

MAX30100 (/libraries/max30100)   This Library supports the MAX30100 Pulse Oximetry IC

MAX30100lib   Maxim-IC MAX30100 heart-rate sensor driver and pulse-oximetry components
(/libraries/max30100lib)

MAX31850 DallasTemp   A version of the DallasTemp Arduino library with MAX31850 support (Requires OneWire with MAX31850 support!)
(/libraries/max31850-dallas-temp)

MAX31850 OneWire   A version of the OneWire Arduino library with MAX31850 support
(/libraries/max31850-one-wire)

MAX6675 library (/libraries/max6675-   Arduino library for interfacing with MAX6675 thermocouple amplifier
library)

mbino (/libraries/mbino)   Port of mbed OS APIs to the Arduino platform

Mcp3208 (/libraries/mcp3208)   Arduino library for the MCP3208/3204 12 bit ADC.

MCP3221 (/libraries/mcp3221)   MCP3221 Driver (12-bit ADC with hardware I2C Interface)

MCP342x (/libraries/mcp342x)   Library to support Microchip ADC342x analogue to digital converters.

MCP41XXX (/libraries/mcp41-xxx)   Driver for Microchip MCP41xxx/42xxx digital potentiometers and MCP43xxx/44xxx digital rheostats.

MCP9802 (/libraries/mcp9802)   MCP9802 Driver (12-BIT Temperature Sensor with I2C Interface)

MCUFRIEND_kbv   TFT Library for 2.4, 2.8, 3.5, 3.6, 3.95 inch mcufriend UNO Shields
(/libraries/mcufriend_kbv)

MD_AButton (/libraries/md_a-button)   Library for multiple switches on one analog input.

MD_CirQueue (/libraries/md_cir-   Library for FIFO queue implemented as a Ring Buffer.
queue)

MD_Cubo (/libraries/md_cubo)   Library for device independent LED Cubes.

MD_DS1307 (/libraries/md_ds1307)   Library for using a DS1307 Real Time Clock.

MD_DS3231 (/libraries/md_ds3231)   Library for using a DS3231 Real Time Clock.

MD_KeySwitch (/libraries/md_key-   Library for digital switches.
switch)

MD_LM335A (/libraries/md_lm335-a)   Library for using a LM335A temperature sensor.

MD_MAX72XX (/libraries/md_max72-   Implements functions that allow the MAX72xx to be used for LED matrices (64 individual LEDs)
xx)

MD_Menu (/libraries/md_menu)   Library for displaying and managing menus on displays with with up to 2 lines.

MD_MSGEQ7 (/libraries/md_msgeq7)   Implements functions for the MSGEQ7 7 band equaliser IC

MD_Parola (/libraries/md_parola)   LED matrix text display special effects

MD_REncoder (/libraries/md_r-   Library for Rotary Encoder
encoder)

MD_TCS230 (/libraries/md_tcs230)   Library for TCS230 TCS3200 Colour Sensor

MD_TTT (/libraries/md_ttt)   Tic-Tac-Toe game logic library

MD_UISwitch (/libraries/md_ui-switch)   Library for User Interface switches.

Meeo (/libraries/meeo)   This library is used for connecting your Arduino device to Meeo.

MegunoLink (/libraries/meguno-link)   Library for storing data in the eeprom, processing serial messages and plotting data with MegunoLink.

MFUthings (/libraries/mf-uthings)   This is the library that be used in www.mfuthings.com which belongs to Mae Fah Luang University

MFRC522 (/libraries/mfrc522)   Arduino RFID Library for MFRC522 (SPI)

MHGroveBLE (/libraries/mh-grove-   Interface with Grove BLE v1 modules.
ble)

MicroDebug (/libraries/micro-debug)   Arduino debugging support library

micro-ecc (/libraries/micro-ecc)	uECC
MicroNMEA (/libraries/micro-nmea)	Compact Arduino library to parse NMEA sentences.
Microchip_RN487x (/libraries/microchip_rn487x)	An Arduino library for the Microchip RN487x
MideaIRWrapper (/libraries/midea-ir-wrapper)	A library that makes, easier work with Midea Air Conditioners.
MIDI Library (/libraries/midi-library)	MIDI I/Os for Arduino
MIDIUSB (/libraries/midiusb)	Allows an Arduino board with USB capabilites to act as a MIDI instrument over USB.
MillaMilla DS7505 Library (/libraries/milla-milla-ds7505-library)	Arduino library for the DS7505 temperature sensor.
MillisTimer (/libraries/millis-timer)	A timer library for working with millis().
MINDSi (/libraries/mind-si)	Code to assist with running MINDSi robots
MINDS-i-Drone (/libraries/minds-i-drone)	Code to assist with running MINDS-i Drones
Mini Grafx (/libraries/mini-grafx)	Graphics Library for embedded devices with a framebuffer
Mirobot (/libraries/mirobot)	This is the library that makes Mirobot (http://mirobot.io) work.
MKRGSM (/libraries/mkrgsm)	Enables GSM/GRPS network connection using the Arduino MKR GSM 1400 board.
MKRWAN (/libraries/mkrwan)	Support library for MKR WAN 1300
MLX90614 (/libraries/mlx90614)	Library to support Melexis MLX90614 infrared thermometer
MMA8453_n0m1 (/libraries/mma8453_n0m1)	an Arduino Library for the Freescale MMA8453Q & MMA8452Q accelerometer.
MMA8652 (/libraries/mma8652)	Library for the Freescale MMA8652 3-axis accelerometer
ModbusMaster (/libraries/modbus-master)	Enlighten your Arduino to be a Modbus master.
ModbusRTU_Slave (/libraries/modbus-rtu_slave)	A library package commonly used by the other libraries being published by Geabong
Modulo (/libraries/modulo)	A library that provides support for Modulo hardware.
Mouse (/libraries/mouse)	Allows an Arduino/Genuino board with USB capabilites to act as a Mouse.
MOVI Voice Dialog Shield (/libraries/movi-voice-dialog-shield)	This is the Arduino library for the MOVI(tm) Voice Dialog Shield.
MP3Player (/libraries/mp3-player)	Library for playing MP3 files
MPU9250_asukiaaa (/libraries/mpu9250_asukiaaa)	A library to control MPU9250
MQTT (/libraries/mqtt)	MQTT library for Arduino
MsTimer2 (/libraries/ms-timer2)	Run an interrupt function using Timer2
MS5xxx (/libraries/ms5xxx)	Library for digital pressure sensors MS5xxx by Measurement Specialties (MEAS).
MSGEQ7 (/libraries/msgeq7)	Library for Musicvisualization with MSGEQ7
MultiLcd (/libraries/multi-lcd)	Drive multiple LCDs like a single LiquidCrystal object.
multiplePinOps (/libraries/multiple-pin-ops)	An Arduino library to drive multiple pins with the same API.
MultitapKeypad (/libraries/multitap-keypad)	A library (driver) for matrix 4x3 or 4x4 keypad supports multi-tap and long-tap.
MX25R6435F (/libraries/mx25-r6435-f)	Quad-SPI NOR Flash memory library.

MySensors (/libraries/my-sensors)   Home Automation Framework

MySQL Connector Arduino   Connects Arduino using Arduino Ethernet-compatible shields including the Ethernet Shield and WiFi Shield.
(/libraries/my-sql-connector-arduino)

NanoPlayBoard (/libraries/nano-play-   Enables easy access to the sensors and actuators of the Arduino NanoPlayBoard.
board)

NDNOverUDP (/libraries/ndn-over-   A simpler and lighter NDN protocol for local IoT contexts.
udp)

NeoGPS (/libraries/neo-gps)   NMEA and ublox GPS parser, configurable to use as few as 10 bytes of RAM

NeoNextion (/libraries/neo-nextion)   Arduino library for controlling Nextion displays

NeoPixelBus by Makuna   A library that makes controlling NeoPixels (WS2811, WS2812, WS2813 & SK6812) and DotStars (APA102) easy.
(/libraries/neo-pixel-bus-by-makuna)

NeoPixel Painter (/libraries/neo-pixel-   Arduino library for easy creation of LED strip animations, based on the NeoPixel library.
painter)

NeoSWSerial (/libraries/neo-sw-serial)   An efficient replacement for SoftwareSerial at baud rates 9600, 19200 and 38400.

Neotimer (/libraries/neotimer)   "A powerful non-blocking timer"

NetEEPROM (/libraries/net-eeprom)   A library that stores and retrieves network configuration from EEPROM.

Neurona (/libraries/neurona)   Artificial Neural Network architectures for Arduino

Nintendo (/libraries/nintendo)   Connect all your favourite Nintendo Controllers to your Arduino.

NintendoControllersSTM32   Support Nunchuck, GameCube controller and Game Port joysticks on STM32F1
(/libraries/nintendo-controllers-
stm32)

NmraDcc (/libraries/nmra-dcc)   Enables NMRA DCC Communication

Nokia 5110 Driver (/libraries/nokia-   Nokia 5110 LCD driver
5110-driver)

Nokia5110 (/libraries/nokia5110)   Nokia 5110 lcd library for Arduino

noolite_tx (/libraries/noolite_tx)   TX library for noolite 433 MHz communication protocol.

NRFLite (/libraries/nrf-lite)   nRF24L01+ library requiring very little code along with YouTube videos showing all available features.

NTPClient (/libraries/ntp-client)   An NTPClient to connect to a time server

NtpClientLib (/libraries/ntp-client-lib)   Ntp Client Library

NXPMotionSense (/libraries/nxp-   Motion sensing with NXP FXOS8700 Accelerometer & Magnetometer and NXP FXAS21002 Gyroscope.
motion-sense)

OakOLED (/libraries/oak-oled)   An Adafruit GFX driver for the Oak OLED (an SSD1306 with no reset line)

OctoSonar (/libraries/octo-sonar)   A library to support the OctoSonar v2 HC-SR04 concentrators

OctoWS2811 (/libraries/octo-ws2811)   Control thousands of WS2812B / NeoPixel LEDs at video refresh speeds

Olympic Robotic Challenge   A library to Olympic Robotic Challenge competition and supporting the official kit.
(/libraries/olympic-robotic-challenge)

OneButton (/libraries/one-button)   Arduino libary for improving the usage of a singe input button.

OneSheeld (/libraries/one-sheeld)   It allows you to control your 1Sheeld(s).

OneWire (/libraries/one-wire)   Access 1-wire temperature sensors, memory and other chips.

OneWireHub (/libraries/one-wire-hub)   OneWire slave device emulator with support for up to 32 simultaneous 1wire devices.

Onion Arduino Library   Onion library for use with the Arduino IDE and the Arduino Dock.
(/libraries/onion-arduino-library)

OPC (/libraries/opc)   A library for Arduino OPC Server support.

OpcServer (/libraries/opc-server)   Open Pixel Control (OPC) Server Library for Arduino

OpenBCI_32bit_Library   The library for controlling OpenBCI Cyton (32bit) boards. The Cyton is the main one.
(/libraries/open-bci_32bit_library)

OpenBCI_32bit_SD (/libraries/open-   The library for controlling OpenBCI Cyton (32bit) SD cards.
bci_32bit_sd)

OpenBCI_Ganglion_Library   The library for OpenBCI Ganglion board. Please use the DefaultGanglion.ino file in the examples to use the code that ships
(/libraries/open-bci_ganglion_library)   with every Ganglion board. Look through the skimmed down versions of the main firmware in the other examples.

OpenBCI_Radios (/libraries/open-   The library for OpenBCI RFDuino system for GZLL
bci_radios)

OpenBCI_Wifi (/libraries/open-   The core of the OpenBCI Wifi Shield.
bci_wifi)

OpenBCI_Wifi_Master   The library for controlling Push The World - OpenBCI Wifi Shield
(/libraries/open-bci_wifi_master)

OpenDevice (/libraries/open-device)   OpenDevice is a set of tools and APIs to build solutions for the "Internet of Things" like home automations systems,
                                    robotics, smart city, energy monitoring, security, sensor monitoring

Oregon (/libraries/oregon)   Decode data from Oregon sensors.

OSFS (/libraries/osfs)   An Overly Simplified FileSystem for storing thing in the Arduino's EEPROM

Ospom (/libraries/ospom)   Ospom is FaceBook for your Arduino.

pH Probe Interface (/libraries/p-h-   Measure pH easily
probe-interface)

pRNG (/libraries/p-rng)   Pseudo-random number generator

Pablo (/libraries/pablo)   A library to run Pablo, an Arduino based drawing machine

PacketSerial (/libraries/packet-serial) An Arduino Library that facilitates packet-based serial communication using COBS or SLIP encoding.

PagonGameDev_GameLoop   "Library for Creating Game with GameLoop"
(/libraries/pagon-game-dev-game-
loop)

Parse Arduino SDK (/libraries/parse-   A library that provides access to Parse
arduino-sdk)

PCA9536 (/libraries/pca9536)   PCA9536 Driver (4-Channel GPIO I2C Expander)

PCA9536_RGB   PCA9536 RGB LED Driver
(/libraries/pca9536_rgb)

PCD8544 (/libraries/pcd8544)   Philips PCD8544 or compatible LCD library.

PciManager (/libraries/pci-manager)   This library helps you manage Pin Change Interrupts: subscribe and receive change events.

PCM (/libraries/pcm)   Playback of short audio samples.

PersWiFiManager (/libraries/pers-wi-   Persistent WiFi Manager
fi-manager)

PGMWrap (/libraries/pgm-wrap)   A convenient library allowing structures and variables stored in PROGMEM to be read directly.

PHPoC (/libraries/ph-po-c)   PHPoC Ethernet/WiFi Shield for Arduino

Phant (/libraries/phant)   A simple interface to post data to a phant stream.

PID (/libraries/pid)   PID controller

Pin (/libraries/pin)   An easy to use Arduino library for fast and simultaneous operations on Arduino I/O pins.

PinChangeInterrupt (/libraries/pin-   A simple & compact PinChangeInterrupt library for Arduino.
change-interrupt)

pinduino (/libraries/pinduino)   A library for the pinduino shield

PJON (/libraries/pjon)   PJON is an open-source, multi-master, mult-media device communications bus system framework

PL_microEPD (/libraries/pl_micro-epd)   A Hardware Library for 1.1" E-Paper display (EPD) from Plastic Logic for Adafruits GFX Library.

PlotPlus (/libraries/plot-plus)   Plotting library compatible with Sloeber IDE and SimPlot

Plotter (/libraries/plotter)   An Arduino library for easy plotting on host computer via serial communication.

PLS7shield (/libraries/pls7shield)   Arduino shield with various I/O devices

PM2005Lib (/libraries/pm2005-lib)   Controls and reads out data from a PM2005 laser particle sensor module.

PmodCls (/libraries/pmod-cls)   Driver for the Digilent PmodCLS LCD device

PMS Library (/libraries/pms-library)   Arduino library for Plantower PMS sensors.

PololuHD44780 (/libraries/pololu-hd44780)   C++ library for the Arduino IDE that allows you to control an LCD that uses the Hitachi HD44780 protocol.

PololuLedStrip (/libraries/pololu-led-strip)   Arduino library for addressable RGB LED strips from Pololu

PololuMaestro (/libraries/pololu-maestro)   Pololu Maestro Servo Controller library for Arduino

PololuQik (/libraries/pololu-qik)   Arduino library for the Pololu qik dual serial motor controllers

PololuRPiSlave (/libraries/pololu-r-pi-slave)   Pololu Raspberry Pi I2C Slave Arduino library

Polymorphic Buttons (/libraries/polymorphic-buttons)   A simple library to make multifunction buttons.

Pozyx (/libraries/pozyx)   library for the pozyx indoor positioning shield

PreciseLM35 (/libraries/precise-lm35)   A simple LM35 wrapper with optional voltage calibration facility

PrintEx (/libraries/print-ex)   A printing & formatting enhancement for Stream & Print based libraries.

Printoo_Library (/libraries/printoo_library)   The library for the Printoo modules.

Pro Trinket USB Keyboard Library (/libraries/pro-trinket-usb-keyboard-library)   An arduino library to turn a Pro Trinket 5V/16MHz into a USB Keyboard!

Pro Trinket USB Mouse (/libraries/pro-trinket-usb-mouse)   Library for Pro trinket to turn it into a mouse!

PS2KeyAdvanced (/libraries/ps2-key-advanced)   PS2 keyboard FULL control and ALL keys processing, as well as LED control.

PS2KeyMap (/libraries/ps2-key-map)   PS2 keyboard codes from PS2KeyAdvanced to UTF-8 for any Latin language keyboard.

PS2KeyRaw (/libraries/ps2-key-raw)   PS2 keyboard control and raw data receiving

PS2Keyboard (/libraries/ps2-keyboard)   Use a PS/2 Keyboard for input

Ps2KeyboardHost (/libraries/ps2-keyboard-host)   PS2 Keyboard host controller

PTW-Arduino-Assert (/libraries/ptw-arduino-assert)   The library Push The World uses for unit testing.

PubSubClient (/libraries/pub-sub-client)   A client library for MQTT messaging.

Pubnub (/libraries/pubnub)   Pubnub SDK for Arduino.

PulsePosition (/libraries/pulse-position)   Send and receive multiple high resolution PPM encoded signal streams.

Pushbutton (/libraries/pushbutton)   Pushbutton library for Arduino

Pushetta (/libraries/pushetta)   The library to use Pushetta service, a service to push notifications to mobile phones and other devices

PWMServo (/libraries/pwm-servo)   Control RC Servo motors.

QList (/libraries/q-list)   Library implements linked lists

QC2Control (/libraries/qc2-control)	Set the voltage of a Quick Charge 2.0 source via the Arduino.
QC3Control (/libraries/qc3-control)	Sets the voltage of a Quick Charge 3.0 source.
QRCode (/libraries/qr-code)	A simple QR code generation library.
QTRSensors (/libraries/qtr-sensors)	Arduino library for the Pololu QTR Reflectance Sensors
Queue (/libraries/queue)	Queue handling library (designed on Arduino)
Queuetue Digital Balance Library (/libraries/queuetue-digital-balance-library)	A library of functions to build a digital balance
Queuetue HX711 Library (/libraries/queuetue-hx711-library)	Simple driver for the HX711 ADC.
Quirkbot (/libraries/quirkbot)	Allows you to program Quirkbots.
rBase64 (/libraries/r-base64)	Real BASE64 Function Library
r89m Buttons (/libraries/r89m-buttons)	A library that makes working with buttons simple.
r89m CapacitiveButton (/libraries/r89m-capacitive-button)	Handle CapacitiveButtons, powered by the CapacitiveSensor library
r89m MPR121Button (/libraries/r89m-mpr121-button)	Handle MPR121Buttons, powered by Adafruit's MPR121 library
r89m PushButton (/libraries/r89m-push-button)	Handle PushButtons, debounced using the Bounce2 library.
RadiationWatch (/libraries/radiation-watch)	Arduino driver for Radiation Watch Pocket Geiger sensor
Radio (/libraries/radio)	Library for controlling FM radio receiver chips.
Ramp (/libraries/ramp)	A library that manage interpolation beetween values.
RapifireMqttClient (/libraries/rapifire-mqtt-client)	Enables the communication between Arduino and RAPIFIRE platform.
RBD_Button (/libraries/rbd_button)	Read and debounce buttons and switches.
RBD_Capacitance (/libraries/rbd_capacitance)	Measure change in capacitance.
RBD_HumanSensor (/libraries/rbd_human-sensor)	Detect human presence, touch, and pickup events.
RBD_Light (/libraries/rbd_light)	Control many lights.
RBD_LightSensor (/libraries/rbd_light-sensor)	Read and calibrate photoresistors.
RBD_Motor (/libraries/rbd_motor)	Control many motors without delay.
RBD_SerialManager (/libraries/rbd_serial-manager)	A simple interface for serial communication.
RBD_Servo (/libraries/rbd_servo)	Control many servos without delay.
RBD_Threshold (/libraries/rbd_threshold)	Set and check numeric quantile scales.
RBD_Timer (/libraries/rbd_timer)	Manage many timed events.
RBD_WaterSensor (/libraries/rbd_water-sensor)	Measure and calibrate water level sensors.
RBL_nRF8001 (/libraries/rbl_n-rf8001)	An Arduino library for the nRF8001 products such as the BLE Shield and Blend.
RCReceiver (/libraries/rc-receiver)	A library to add support for rc receivers.

rc-switch (/libraries/rc-switch)	Operate 433/315Mhz devices.
RCLSwitch (/libraries/rcl-switch)	Compact version of RC Switch
ReactorProtocol (/libraries/reactor-protocol)	Simulated Reactor communication protocol.
redkea (/libraries/redkea)	Build custom user interfaces to control your devices using your smartphone.
Relay (/libraries/relay)	Simple relay usage
ResponsiveAnalogRead (/libraries/responsive-analog-read)	Arduino library for eliminating noise in analogRead inputs without decreasing responsiveness
RESTClient (/libraries/rest-client)	Enables sending REST messages using Arduino Ethernet. For all boards.
RFExplorer 3GP IoT (/libraries/rf-explorer-3-gp-io-t)	Library reference for RFExplorer 3GP IoT
RF24 (/libraries/rf24)	A library for NRF24L01(+) communication.
RF24Ethernet (/libraries/rf24-ethernet)	Open TCP/IP wireless/radio IoT mesh networks for Arduino
RF24G (/libraries/rf24-g)	A simple way for up to 6 nRF24L01 radios to communicate with each other.
RF24Mesh (/libraries/rf24-mesh)	A library for NRF24L01(+) devices mesh.
RF24Network (/libraries/rf24-network)	A library for NRF24L01(+) devices network.
RfidDb (/libraries/rfid-db)	A library that stores 32 bit identifiers and associated names to EEPROM which can be used to as a basis for RFID access control applications.
RGB matrix Panel (/libraries/rgb-matrix-panel)	Arduino library and example code for the 16x32 RGB matrix panels in the shop
RGB_LED (/libraries/rgb_led)	A library that manage 4 legs rgb leds colour and light duration.
RGBLED (/libraries/rgbled)	Easily control RGB LEDs.
RGBLEDBlender (/libraries/rgbled-blender)	A basic RGB LED blending library.
RingBuf (/libraries/ring-buf)	A library for buffering items into a ring (circular/FIFO) buffer
RingBufCPP (/libraries/ring-buf-cpp)	A library for buffering items into a ring (circular/FIFO) buffer
ROKduino (/libraries/ro-kduino)	Allows control of Rokenbok Education ROKduino robotics system.
RoboCore - Serial Relay (/libraries/robo-core-serial-relay)	Library for the Serial Relay module (https://www.robocore.net/modules.php?name=GR_LojaVirtual&prod=663)
Robopoly Bluetooth (/libraries/robopoly-bluetooth)	This library allows you to use the bluetooth module on the Robopoly Shield.
Robopoly Linear Camera (/libraries/robopoly-linear-camera)	This library allows you to get data from the Robopoly Linear Camera.
Robopoly PRismino (/libraries/robopoly-p-rismino)	This library allows you to use all the functions of the Robopoly PRismino and the Robopoly Shield.
Robopoly RomeEnco (/libraries/robopoly-rome-enco)	This library allows you to read up to four encoders at the same time.
Robot Control (/libraries/robot-control)	Enables easy access to the controls of the Arduino Robot Control board. For Arduino Robot only.
RobotDuLAB Arduino Library (/libraries/robot-du-lab-arduino-library)	Bibliothèque de pilotage simplifié de RobotDuLAB.
Robot IR Remote (/libraries/robot-ir-remote)	Allows controlling the Arduino Robot via an IR remote control. For Arduino Robot only.
Robot Motor (/libraries/robot-motor)	Enables easy access to the motors of the Arduino Robot Motor board. For Arduino Robot only.

RogueMP3 (/libraries/rogue-mp3)	A library to communicate with the Rogue Robotics MP3 Playback Modules.
RogueSD (/libraries/rogue-sd)	A library to communicate with the Rogue Robotics Data Storage Modules.
Romi32U4 (/libraries/romi32-u4)	Romi 32U4 Arduino library
Rosserial Arduino Library (/libraries/rosserial-arduino-library)	Use an Arduino as a ROS publisher/subscriber
RotaryEncoder (/libraries/rotary-encoder)	Use a rotary encoder with quadrature pulses as an input device.
RTClib (/libraries/rt-clib)	A fork of Jeelab's fantastic RTC library
RTCtime (/libraries/rt-ctime)	A "Standard C Runtime" compatible library for interfacing the DS1307 and DS3231 Real Time Clock modules.
RTCx (/libraries/rt-cx)	Library to access DS1307, DS1337, DS1338 and MCP7941x real-time clocks.
Rtc by Makuna (/libraries/rtc-by-makuna)	A library that makes interfacing DS1307 and DS3231 Real Time Clock modules easy.
RTCDue (/libraries/rtc-due)	Use for the RTC inside the SAM3X8E from the Arduino DUE
RTCLib by NeiroN (/libraries/rtc-lib-by-neiro-n)	A library that makes interfacing DS1302, DS1307, DS3231, PCF8583, PCF8563, RTC_Millis Real Time Clock modules easy.
RTCTimer (/libraries/rtc-timer)	An Arduino library to easily perform scheduled tasks.
RTCZero (/libraries/rtc-zero)	Allows to use the RTC functionalities. For Arduino Zero, MKRZero and MKR1000 only.
RTC4543lib (/libraries/rtc4543lib)	A simple RTC4543 library.
Rtttl (/libraries/rtttl)	A library that plays Rtttl melodies
S11059 (/libraries/s11059)	A color sensor library for Arduino
S5851A (/libraries/s5851-a)	A temperature sensor library for Arduino
S9706 (/libraries/s9706)	A color sensor library for Arduino
SakuraIO (/libraries/sakura-io)	Library for Sakura Communication Module (https://sakura.io/)
sarmfsw (/libraries/sarmfsw)	sarmfsw
Scheduler (/libraries/scheduler)	Allows multiple tasks to run at the same time, without interrupting each other. For Arduino sam and samd architectures only (Due, Zero...).
ScreenUi (/libraries/screen-ui)	ScreenUi is a simple user interface library for character based LCDs like those commonly used with Arduinos.
SD (/libraries/sd)	Enables reading and writing on SD cards.
SdFat (/libraries/sd-fat)	FAT16/FAT32 file system for SD cards.
SDS011 sensor Library (/libraries/sds011-sensor-library)	Nova Fitness SDS011 dust sensor library
secTimer (/libraries/sec-timer)	Simple seconds counter
Sensor (/libraries/sensor)	A simple Arduino Sensor/map wrapper
Sensors (/libraries/sensors)	Use I2C-connected sensors like accelerometers, gyroscopes, and barometers in your projects, without knowing the intimate details about the actual device connected.
SeqButton (/libraries/seq-button)	Sequential Button Arduino Library
SeqTimer (/libraries/seq-timer)	Small piece of sequential Timer class (does not modify hw timers)
SerialCommands (/libraries/serial-commands)	An Arduino library to tokenize and parse commands received over a serial port.
Serial Controlled Motor Driver (/libraries/serial-controlled-motor-driver)	Use this to command the SCMD and connected chain.
SerialFlash (/libraries/serial-flash)	Access SPI Serial Flash memory with filesystem-like functions

SerialTerminal (/libraries/serial-terminal)	Arduino Hardware Serial Terminal
SerialUI (/libraries/serial-ui)	A user interface through the serial channel (menus, sub-menus, input requests and command execution) and a GUI back-end, with support for navigation through the menu hierarchy and online help.
Servo (/libraries/servo)	Allows Arduino/Genuino boards to control a variety of servo motors.
SetPoint (/libraries/set-point)	A library that makes detecting changes on an analog input simple.
SevSeg (/libraries/sev-seg)	Turns your Arduino into a seven segment display controller!
SevSegSPI (/libraries/sev-seg-spi)	Connect 4 digit seven segment display via SPI interface
SevenSeg (/libraries/seven-seg)	A mature and flexible seven segment display driver.
sevenSegmentDisplay (/libraries/seven-segment-display)	Allow to control both common-anode or common-cathode 7 segment displays
Seven Segment Pixel (/libraries/seven-segment-pixel)	Arduino library for controlling custom-built, pixel based 7 segment displays.
SharpDistSensor (/libraries/sharp-dist-sensor)	Sharp analog distance sensor library
SharpIR (/libraries/sharp-ir)	Allow to acquire distance data from analog Sharp IR sensors
ShiftDisplay (/libraries/shift-display)	Arduino library for driving 7-segment displays using 74HC595 shift registers
Shift Register LED Matrix Lib (/libraries/shift-register-led-matrix-lib)	A driver for LED matrices that use shift registers to control rows and columns.
shift7seg (/libraries/shift7seg)	A library to simplify the use of 74hc595 serial in/parallel out shift registers as drivers for a 4 digit 7 segment display.
Shifty (/libraries/shifty)	Extremely flexible and easy-to-use shift register driver for 74HC595 shift registers
Shutters (/libraries/shutters)	Allows non-smart roller-shutters to be percentage-controlled using time
Sim800L Library Revised (/libraries/sim800-l-library-revised)	Arduino library for Sim800L
SimpleDHT (/libraries/simple-dht)	Arduino Temp & Humidity Sensors for DHT11 and DHT22.
simpleDSTadjust (/libraries/simple-ds-tadjust)	Automatic Daylight Saving Time adjust functionality for Arduino/ESP8266
SimplyAtomic (/libraries/simply-atomic)	A library for creating portable atomic blocks within your program
Sindormir SevenSegments (/libraries/sindormir-seven-segments)	Simple Seven Segments library for Arduino.
Single LED Library (/libraries/single-led-library)	Makes intergrating non interrupting lighting behaviours easy!
SixAxisRing (/libraries/six-axis-ring)	A library for communicating with the Six Axis Shield.
six-digit-seven-segment (/libraries/six-digit-seven-segment)	A library that allows you to easily controll a 6-digit 7-Segment Multiplex Matrix
Sleep_n0m1 (/libraries/sleep_n0m1)	A library that sets the Arduino into sleep mode for a specified length of time, or until an interrupt
SlipMassage (/libraries/slip-massage)	SlipMassage is a microcontroller message packer and parser for the SLIP format in different protocols.
SmallSetup (/libraries/small-setup)	Optimize the Arduino setup routines.
SmartCardReader (/libraries/smart-card-reader)	A Library with Samples for the Parallax Smart Card Reader.
SmartDial (/libraries/smart-dial)	A library to communicate with the Rogue Robotics SmartDial.
SmartEverything CC2541 (/libraries/smart-everything-cc2541)	Library code for the TDK-SP13808 module.
SmartEverything HTS221 (/libraries/smart-everything-hts221)	Library code for HTS221 Capacitive digital sensor for relative humidity and temperature

SmartEverything Lion RN2483 (/libraries/smart-everything-lion-rn2483)

Library code for the Microchip RN2483 LoaraWAN Module

SmartEverything LPS25H (/libraries/smart-everything-lps25-h)

Library code for LPS25H MEMS pressure sensor: 260-1260 hPa absolute digital output barometer

SmartEverything LSM6DS3 (/libraries/smart-everything-lsm6-ds3)

Library code for LSM6DS3 iNEMO inertial module:3D accelerometer, 3D gyroscope

SmartEverything LSM9DS1 (/libraries/smart-everything-lsm9-ds1)

Library code for LSM9DS1 iNEMO inertial module:3D accelerometer, 3D gyroscope, 3D magnetometer

SmartEverything NFC NT3H1101 (/libraries/smart-everything-nfc-nt3-h1101)

Library code for the NXP NT3H1101 a NFC_I2C module

SmartEverything SE868-AS (/libraries/smart-everything-se868-as)

Library code for the Telit SE868-AS GPS System

SmartEverything SIGFOX LE51-868 (/libraries/smart-everything-sigfox-le51-868)

Library code for the TELEIT LE51-868 a SIGFOX module

SmartEverything VL6180X (/libraries/smart-everything-vl6180-x)

Library code for the Ambient Light & Proximity sensor from ST component.

SmartMatrix3 (/libraries/smart-matrix3)

Drive multiplexed RGB matrix panels from your Teensy 3

Smartcar shield (/libraries/smartcar-shield)

Arduino library for controlling the Smartcar platform

SmoothADC (/libraries/smooth-adc)

Get ADC to return averaged values.

SmoothThermistor (/libraries/smooth-thermistor)

Flexible thermistor reading library.

SocketIoClient (/libraries/socket-io-client)

socket.io Client for ESP8266 and Arduino

Sodaq_BMP085 (/libraries/sodaq_bmp085)

An Arduino library for the BMP085/BMP180 Barometric Pressure + Temp sensor

Sodaq_dataflash (/libraries/sodaq_dataflash)

An Arduino library for the AT45DB dataflash as used on SODAQ boards.

Sodaq_DS3231 (/libraries/sodaq_ds3231)

An Arduino library for the DS3231 RTC (Real Time Clock).

Sodaq_LIS3DE (/libraries/sodaq_lis3-de)

An Arduino library for the ST LIS3DE.

Sodaq_nbIOT (/libraries/sodaq_nb-iot)

An Arduino library for the uBlox nbIOT modules.

Sodaq_PcInt (/libraries/sodaq_pc-int)

An Arduino library to deal with PCINT (Pin Change Interrupts)

Sodaq_RN2483 (/libraries/sodaq_rn2483)

An Arduino library for the Microchip RN2483.

Sodaq_SHT2x (/libraries/sodaq_sht2x)

An Arduino library for the SHT21 / SHT25 humidity and temperature sensors

Sodaq_wdt (/libraries/sodaq_wdt)

An Arduino wrapper for the Watch Dog Timer.

SoftModem (/libraries/soft-modem)

Audio Jack Modem Library for Arduino.

SoftPWM (/libraries/soft-pwm)

A software library to produce a 50 percent duty cycle PWM signal on arbitrary pins.

SoftTimer (/libraries/soft-timer)

SoftTimer is a lightweight pseudo multitasking solution for Arduino.

SoftWire (/libraries/soft-wire)

Software I2C library.

SoftwareReset (/libraries/software-reset)

Allow to reset an arduino board from the sketch

SoftwareWire (/libraries/software-wire)	Creates a software I2C/TWI bus on every pins.
SomeSerial (/libraries/some-serial)	A library to wrap HardwareSerial, SoftwareSerial or USBAPI Serial_.
somo-ii-lib (/libraries/somo-ii-lib)	A controller library for the SOMO-II MP3 decoder
SonarI2C (/libraries/sonar-i2-c)	A library to support cheap ultrasonic sensors on I2C bus
souliss (/libraries/souliss)	SmartHome Networking Framework
SpacebrewYun (/libraries/spacebrew-yun)	Enables the communication between interactive objects using WebSockets. For Arduino Yún only.
SparkFun AD5330 (/libraries/spark-fun-ad5330)	Libraries for the AD5330 8-bit DAC
SparkFun AK9750 Human Presence Sensor Library (/libraries/spark-fun-ak9750-human-presence-sensor-library)	Library for the AK9750 PIR Human Presence Qwiic Board
SparkFun APDS9960 RGB and Gesture Sensor (/libraries/spark-fun-apds9960-rgb-and-gesture-sensor)	Library for the Avago APDS-9960 sensor
SparkFun AS726X (/libraries/spark-fun-as726-x)	A library to drive the AMS AS726X NIR/VIS Spectrum Sensor
SparkFun ATSHA204 Library (/libraries/spark-fun-atsha204-library)	Library for the ATSHA204 IC.
SparkFun Bar Graph Library (/libraries/spark-fun-bar-graph-library)	Provides functionality of 10-segment bar graphs.
SparkFun BME280 (/libraries/spark-fun-bme280)	A library to drive the Bosch BME280 Altimeter and Pressure sensor
SparkFun CCS811 Breakout (/libraries/spark-fun-ccs811-breakout)	A library to drive the AMS CCS811 by I2C.
SparkFun Color LCD Shield (/libraries/spark-fun-color-lcd-shield)	This is an Arduino library for SparkFun's Color LCD Shield
SparkFun Flexible Grayscale OLED Breakout (/libraries/spark-fun-flexible-grayscale-oled-breakout)	Library for the SparkFun Flexible Grayscale Display.
SparkFun Graphic LCD Serial Backpack (/libraries/spark-fun-graphic-lcd-serial-backpack)	Library containing functions for SparkFun Graphic LCD Serial Backpack
SparkFun Haptic Motor Driver (/libraries/spark-fun-haptic-motor-driver)	Library for the DRV2605L Haptic Motor Driver
SparkFun HTU21D Humidity and Temperature Sensor Breakout (/libraries/spark-fun-htu21-d-humidity-and-temperature-sensor-breakout)	HTU21D temperature and humidity densor breakout.
SparkFun I2C GPS Reading and Control (/libraries/spark-fun-i2-c-gps-reading-and-control)	Library for the AK9750 PIR Human Presence Qwiic Board
SparkFun ISL29125 Breakout (/libraries/spark-fun-isl29125-breakout)	Arduino library showing basic functionality for the ISL29125 RGB Light Sensor Breakout Board.
SparkFun Line Follower Array (/libraries/spark-fun-line-follower-array)	Library to operate the 8 position line sensor array for robots.

SparkFun LIS3DH Breakout   A library to drive the STmicro LIS3DH by SPI or I2C.
(/libraries/spark-fun-lis3-dh-breakout)

SparkFun LP55231 Breakout   A library to control the Texas Instruments LP55231 9-channel LED driver.
(/libraries/spark-fun-lp55231-
breakout)

SparkFun LSM303C 6 DOF IMU   Driver for ST's LSM303C 6-DOF IMU (3-axis accelerometer & 3-axis magnetometer)
Breakout (/libraries/spark-fun-
lsm303-c-6-dof-imu-breakout)

SparkFun LSM6DS3 Breakout   A library to drive the STmicro LSM6DS3 by SPI or I2C.
(/libraries/spark-fun-lsm6-ds3-
breakout)

SparkFun LSM9DS0 Breakout   Library for the 9 degree of freedom IC -ST Micro's LSM9DS0.
(/libraries/spark-fun-lsm9-ds0-
breakout)

SparkFun MAX3010x Pulse and   Library for the MAX30102 Pulse and MAX30105 Proximity Breakout
Proximity Sensor Library
(/libraries/spark-fun-max3010x-pulse-
and-proximity-sensor-library)

SparkFun MAX31855K Thermocouple   K type thermocouple digitizer board.
Digitizer (/libraries/spark-fun-
max31855-k-thermocouple-digitizer)

SparkFun MetaWatch   A simple library to interface from Arduino to BlueSMiRF to MetaWatch
(/libraries/spark-fun-meta-watch)

SparkFun MG2639 CellShield   Driver library for SparkFun's MG2639 cellular shield.
(/libraries/spark-fun-mg2639-cell-
shield)

SparkFun Micro OLED Breakout   Library for the SparkFun Micro OLED Breakout.
(/libraries/spark-fun-micro-oled-
breakout)

SparkFun MicroView (/libraries/spark-   The MicroView is a chip-sized Arduino with a built-in OLED, available from SparkFun Electronics
fun-micro-view)

SparkFun MiniGen (/libraries/spark-   SparkFun MiniGen library allows the user to generate sine, square, or triangle waves at up to 3MHz, and approximately
fun-mini-gen)   1Vp-p.

SparkFun MiniMoto (/libraries/spark-   Arduino Library for the SparkFun MiniMoto board, which uses the TI DRV8830 IC for I2C low-voltage DC motor control.
fun-mini-moto)

SparkFun MMA8452Q Accelerometer   Basic I2C functionality of the MMA8452Q Accelerometer Breakout (https://www.sparkfun.com/products/12756)
(/libraries/spark-fun-mma8452-q-
accelerometer)

SparkFun MPL3115A2 Altitude and   SparkFun's breakout for the Freescale MPL3115A2 Precision Altimeter
Pressure Sensor Breakout
(/libraries/spark-fun-mpl3115-a2-
altitude-and-pressure-sensor-
breakout)

SparkFun MS5803-14BA Pressure   Library for MS5803-14BA Pressure Sensor.
Sensor (/libraries/spark-fun-ms5803-
14-ba-pressure-sensor)

SparkFun Quadstepper Motor Driver   4-axis stepper motor driver, available from SparkFun Electronics
(/libraries/spark-fun-quadstepper-
motor-driver)

SparkFun RedBot Library   Provides control to the SparkFun RedBot.
(/libraries/spark-fun-red-bot-library)

SparkFun RFD77402 Distance Sensor   Library for the SparkFun Qwiic Distance Sensor - RFD77402
- VCSEL Time of Flight
(/libraries/spark-fun-rfd77402-
distance-sensor-vcsel-time-of-flight)

SparkFun Si7021 Humidity and Temperature Sensor (/libraries/spark-fun-si7021-humidity-and-temperature-sensor)	Library for Si7021 Humidity and Temperature Sensor.
SparkFun Simultaneous RFID Tag Reader Library (/libraries/spark-fun-simultaneous-rfid-tag-reader-library)	Library for the NANO M6E RFID Module from ThingMagic
SparkFun TLC5940 (/libraries/spark-fun-tlc5940)	Library for the TLC5940 IC.
SparkFun TSL2561 (/libraries/spark-fun-tsl2561)	An Arduino Library for the TSL2561 Luminosity Sensor Breakout from SparkFun Electronics.
SparkFun VKey Arduino Library (/libraries/spark-fun-v-key-arduino-library)	Arduino Library for interfacing the SparkFun VKey Voltage Keypad.
SparkFun VL6180 Sensor (/libraries/spark-fun-vl6180-sensor)	The VL6180 combines an IR emitter, a range sensor, and an ambient light sensor together for you to easily use and communicate with via an I2C interface.
SparkFun ZX Distance and Gesture Sensor (/libraries/spark-fun-zx-distance-and-gesture-sensor)	The ZX Sensor uses infrared light to determine the distance from an object and where the object is located on the X axis (between IR LEDs), available from SparkFun Electronics
Sparkfun MPU-9250 (/libraries/sparkfun-mpu-9250)	Driver for InvenSense's MPU-9250 9-DOF IMU (3-axis gyroscope, 3-axis accelerometer & 3-axis magnetometer)
Sparkfun T5403 Barometric Sensor Library (/libraries/sparkfun-t5403-barometric-sensor-library)	Arduino Library for interfacing with the T5403 Barometric sensor.
SPBTLE-RF (/libraries/spbtle-rf)	This library includes drivers for ST's BlueNRG/BlueNRG-MS Bluetooth Low Energy device.
SPIFlash (/libraries/spi-flash)	SPI Flash library for Arduino.
SPI VFD (/libraries/spi-vfd)	Arduino Library for 20T202DA2JA SPI VFD
SPIFFSReadServer (/libraries/spiffs-read-server)	SPIFFS Read Server
SpritzCipher (/libraries/spritz-cipher)	Spritz library for Arduino, CSPRNG, cryptographic hash and MAC functions, symmetric-key data encryption, and some general-purpose functions.
SRAM (/libraries/sram)	Simple library for serial SRAM IC's
SRAM_23LC (/libraries/sram_23-lc)	Driver for Microchip Technology Inc. 23LC (23LCV, 23A, 23K) SPI SRAM chips for AVR, SAM3X (Due), and SAM M0+ (SAMD, SAML, SAMC) microcontrollers
ssd1306 (/libraries/ssd1306)	SSD1306 i2c OLED Display driver, PCD8544 spi display driver
SST25VF (/libraries/sst25-vf)	Arduino Library for controlling the SST Nor Serial Flash SST25VF family.
ST_HW_ST_HCRS04 (/libraries/st_hw_st_hcrs04)	Advanced arduino library for HC-SR04 ultrasonic sensors.
StateMachine (/libraries/state-machine)	"A simple state machine implementation."
StatsD (/libraries/stats-d)	StatsD client with tag support.
statsdclient (/libraries/statsdclient)	Report metrics using statsd
STEAMbot (/libraries/stea-mbot)	Library that provides access to all the STEAMbot facilities.
Stepper (/libraries/stepper)	Allows Arduino boards to control a variety of stepper motors. For all Arduino boards.
StepperControl (/libraries/stepper-control)	Stepper Motor Controller for 28BYJ-48.
Stepper_28BYJ_48 (/libraries/stepper_28-byj_48)	Stepper Library for 5V Stepper Motors 28BYJ-48 with ULN2003 Driver
StereoSID (/libraries/stereo-sid)	MOS6581 Stereo SID Emulator Arduino Library

StivSeg (/libraries/stiv-seg)   Multi-digit seven-segment display library for arduino.

STM32Ethernet (/libraries/stm32-   Enables network connection (local and Internet) using the STM32 Board.
ethernet)

STM32SD (/libraries/stm32-sd)   Enables reading and writing on SD card using SD card slot of the STM32 Board.

STM32duino ISM43362-M3G-L44   This library includes drivers for Inventek Systems WiFi device named ISM43362-M3G-L44.
(/libraries/stm32duino-ism43362-m3-
g-l44)

STM32duino LIS3MDL   High-performance 3D magnetometer.
(/libraries/stm32duino-lis3-mdl)

STM32duino M24SR64-Y   This library includes drivers for ST's M24SR64-Y NFC/RFID tag.
(/libraries/stm32duino-m24-sr64-y)

STM32duino Proximity Gesture   Allows performing simple gestures detection using proximity sensors
(/libraries/stm32duino-proximity-
gesture)

STM32duino VL53L0X   Allows controlling the VL53L0X (Time-of-Flight and gesture detection sensor)
(/libraries/stm32duino-vl53-l0-x)

STM32duino VL6180X   Allows controlling the VL6180X (proximity and ambient light sensing (ALS) sensor)
(/libraries/stm32duino-vl6180-x)

STM32duino X-NUCLEO-53L0A1   Allows controlling the VL53L0X sensors on board of X-NUCLEO-53L0A1
(/libraries/stm32duino-x-nucleo-53-
l0-a1)

STM32duino X-NUCLEO-6180XA1   Allows controlling the VL6180X sensors on board of X-NUCLEO-6180XA1
(/libraries/stm32duino-x-nucleo-
6180-xa1)

STM32duino X-NUCLEO-IDB05A1   Allows controlling the ST X-NUCLEO-IDB05A1 expansion board
(/libraries/stm32duino-x-nucleo-
idb05-a1)

STM32duino X-NUCLEO-IHM02A1   Allows controlling the ST X-NUCLEO-IHM02A1 expansion board
(/libraries/stm32duino-x-nucleo-
ihm02-a1)

STM32duino X-NUCLEO-IKA01A1   Allows controlling the ST Microelectronics X-NUCLEO-IKA01A1 Expansion Board
(/libraries/stm32duino-x-nucleo-
ika01-a1)

STM32duino X-NUCLEO-IKS01A1   Allows controlling the ST X-NUCLEO-IKS01A1 expansion board
(/libraries/stm32duino-x-nucleo-
iks01-a1)

STM32duino X-NUCLEO-IKS01A2   Allows controlling the ST X-NUCLEO-IKS01A2 expansion board
(/libraries/stm32duino-x-nucleo-
iks01-a2)

STM32duino X-NUCLEO-LED61A1   Allows controlling the ST Microelectronics X-NUCLEO-LED61A1 Expansion Board
(/libraries/stm32duino-x-nucleo-
led61-a1)

STM32duino X-NUCLEO-NFC01A1   Allows controlling the ST X-NUCLEO-NFC01A1 expansion board
(/libraries/stm32duino-x-nucleo-
nfc01-a1)

STM32duino X-NUCLEO-NFC04A1   Allows controlling the ST X-NUCLEO-NFC04A1 expansion board
(/libraries/stm32duino-x-nucleo-
nfc04-a1)

StreamDebugger (/libraries/stream-   Debugger for Arduino Stream-based communication
debugger)

StringSplitter (/libraries/string-   Arduino String Splitter Library
splitter)

swRTC (/libraries/sw-rtc)   Software implementation of a Real-Time Clock for Arduino boards and Atmel microcontrollers.

SWAP (/libraries/swap)	Simple Wireless Abstract Protocol (SWAP) library for ISM radios
SwissHandmade MiniPirate (/libraries/swiss-handmade-mini-pirate)	Commandline for GPIO, I2C and CPU manipulations
SX1509 IO Expander (/libraries/sx1509-io-expander)	Arduino library and hardware files for the SX1509 IO Expander Breakout board.
Synapse (/libraries/synapse)	A library designed for the Synapse CV/Gate I/O shield
Syncano Arduino Library (/libraries/syncano-arduino-library)	A library that provides access to Syncano
THiNX (/libraries/t-hi-nx)	A library to wrap THiNX device registration, MQTT and ESP8266HttpUpdate/ArduinoOTA
TVout (/libraries/t-vout)	A library for generating PAL or NTSC video output with an AVR.
Talk2 (/libraries/talk2)	Library for the Talk2 Boards.
Task by Makuna (/libraries/task-by-makuna)	A library that makes creating complex mulitple task projects easy.
TaskScheduler (/libraries/task-scheduler)	A light-weight cooperative multitasking library for arduino and esp8266 microcontrollers.
Tasker (/libraries/tasker)	Get rid of delay() calls, schedule tasks instead.
TCM2lib (/libraries/tcm2lib)	Arduino library for the MPico TCM2 E-Ink timings module
Technoshield-ui-lib (/libraries/technoshield-ui-lib)	Technoshield User Interface API.
TeensyView (/libraries/teensy-view)	A library for driving the TeensyView OLED board
TelegramBot (/libraries/telegram-bot)	Arduino library for TelegramBot
Temboo (/libraries/temboo)	This library enables calls to Temboo, a platform that connects Arduino/Genuino boards to 100+ APIs, databases, code utilities and more.
TFT (/libraries/tft)	Allows drawing text, images, and shapes on the Arduino TFT graphical display. For all Arduino boards.
TFT_22_ILI9225 (/libraries/tft_22_ili9225)	ILI9225 2.2" 176x220 TFT LCD shield
TheThingsNetwork (/libraries/the-things-network)	The Things Network Arduino Library.
TheThingsNode (/libraries/the-things-node)	The Things Node Arduino Library.
THERMISTOR (/libraries/thermistor)	NTC thermistor library
ThingSpeak (/libraries/thing-speak)	ThingSpeak Communication Library for Arduino & ESP8266
thinger.io (/libraries/thinger-io)	Arduino library for the Thinger.io Internet of Things Platform.
ThingfaceClient (/libraries/thingface-client)	The thingface client library for Arduino
Thingplus (/libraries/thingplus)	Helps connecting your Arduino board to Thing+ cloud easly and fast
Tic (/libraries/tic)	Tic Stepper Motor Controller library for Arduino
Time (/libraries/time)	Timekeeping functionality for Arduino
TimeAlarms (/libraries/time-alarms)	Perform tasks at specific times or after specific intervals.
TimedBlink (/libraries/timed-blink)	An object oriented library for asynchrnous programmable LED blinking
TimedPID (/libraries/timed-pid)	PID controller
TimerFa (/libraries/timer-fa)	Software Timer
TimerOne (/libraries/timer-one)	Use hardware Timer1 for finer PWM control and/or running an periodic interrupt function

TimerThree (/libraries/timer-three)   Use hardware Timer3 for finer PWM control and/or running an periodic interrupt function

TinyGSM (/libraries/tiny-gsm)   A small Arduino library for GPRS modules, that just works.

TinyLiquidCrystal (/libraries/tiny-   A simplified library for the Adafruit I2C/SPI backpack, for use with Gemma & Trinket
liquid-crystal)

TinyRTCLib (/libraries/tiny-rtc-lib)   A tiny version of RTCLib, for use with TinyWireM

TinyScreen (/libraries/tiny-screen)   Arduino compatible software support for TinyScreen and TinyScreen+.

TinySnore (/libraries/tiny-snore)   Library for putting ATtiny25/45/85 to timed sleep in one line of code!

TinyWireM (/libraries/tiny-wire-m)   I2C library for Trinket and Gemma, adapted from BroHogan's code on Arduino Playground

TLC5615 (/libraries/tlc5615)   Driver for Texas Instruments TLC5615 10-bit DAC

Tlc5940 (/libraries/tlc5940)   Use the Texas Instruments TLC5940 16-channel LED Driver

TLE94112 (/libraries/tle94112)   This library provides an interface for Infineon's DC Motor Control Shield with TLE94112EL

TMRpcm (/libraries/tm-rpcm)   PCM/WAV Audio playback

TM1650 (/libraries/tm1650)   7 segment display driver for JY-MCU module based on TM1650 chip.

TMC2130Stepper   Arduino library for Trinamic TMC2130 stepper drivers
(/libraries/tmc2130-stepper)

TMC2208Stepper   Arduino library for Trinamic TMC2208 stepper drivers
(/libraries/tmc2208-stepper)

TMP36 (/libraries/tmp36)   Makes using a TMP36 temperature sensor even easier!

Tone (/libraries/tone)   A software digital square wave tone generation library.

ToneLibrary (/libraries/tone-library)   This is an Arduino Library to produce a tone on any Arduino pin.

TOTP library (/libraries/totp-library)   Library to generate Time-based One-Time Passwords

TouchWheel (/libraries/touch-wheel)   Capacitive touch wheels and sliders using only 2-3 analog pins!

TriacDimmer (/libraries/triac-dimmer)   A library for controlling a triac dimmer.

TridentTD_SimplePair   ESP8266 Simple-Pair library that exchange basic data without connecting WiFi
(/libraries/trident-td_simple-pair)

TS4231 Library (/libraries/ts4231-   Triad Semiconductor library for configuring the TS4231 Light to Digital Converter.
library)

TSIC (/libraries/tsic)   Library for TSIC digital temperature sensors (type 206/306/506 and similar).

TSL2561 Arduino Library   Arduino library for using the TSL2561 Luminosity sensor
(/libraries/tsl2561-arduino-library)

Tsunami (/libraries/tsunami)   Library for interfacing with the Tsunami's hardware peripherals.

TurnoutPulser (/libraries/turnout-   Control a Kato or Tomix style two-wire turnout.
pulser)

TwitterApi (/libraries/twitter-api)   A wrapper for the Twitter API for Arduino (supports ESP8266 & WiFi101 boards)

uArmLibrary (/libraries/u-arm-library)   uArm Library for Arduino

uCOS-II (/libraries/u-cos-ii)   MicroC/OS-II 2.92.10 for ARM Cortex M3.

uMT (/libraries/u-mt)   Micro Multi Tasker specifically designed for ARDUINO UNO, MEGA and DUE boards.

uRTCLib (/libraries/u-rtc-lib)   Really tiny library to basic RTC and EEPROM (incorporated) functionality on Arduino. DS1307 and DS3231 RTCs are
                                             supported with AT24C32 EEPROM.

uStepper (/libraries/u-stepper)   Library offering support for uStepper

U8g2 (/libraries/u8g2)   Monochrome LCD, OLED and eInk Library. Display controller: SSD1305, SSD1306, SSD1309, SSD1322, SSD1325,
                                             SSD1327, SSD1329, SSD1606, SSD1607, SH1106, T6963, RA8835, LC7981, PCD8544, PCF8812, UC1601, UC1604,
                                             UC1608, UC1610, UC1611, UC1701, ST7565, ST7567, ST7588, ST75256, NT7534, IST3020, ST7920, LD7032, KS0108,
                                             SED1520, SBN1661, IL3820, MAX7219. Interfaces: I2C, SPI, Parallel.

U8glib (/libraries/u8glib)	A library for monochrome TFTs and OLEDs
Ubidots FONA Library (/libraries/ubidots-fona-library)	Ubidots library for the Adafruit FONA
Ubidots GPRS Library (/libraries/ubidots-gprs-library)	Ubidots library for the Arduino GPRS sim 900
UC1701 (/libraries/uc1701)	Library for the Industruino 128x64 LCD
Ucglib (/libraries/ucglib)	True color TFT and OLED library. Supported display controller: ST7735, ILI9341, PCF8833, SSD1351, LD50T6160, ILI9163.
UIPEthernet (/libraries/uip-ethernet)	Ethernet library for ENC28J60
UltraDistSensor (/libraries/ultra-dist-sensor)	Interface the HC-SR04 sensor and ping sensor to Arduino.
Ultrasonic (/libraries/ultrasonic)	Minimalist library for ultrasound module to Arduino
Unified Log (/libraries/unified-log)	Unified Log for Serial, MQTT, etc. output.
Universal Inputs (/libraries/universal-inputs)	Arduino library for reading multiple input devices of different types.
UniversalTelegramBot (/libraries/universal-telegram-bot)	Arduino Telegram Bot library for multiple different architectures.
Uno WiFi Developer Edition Serial1 (/libraries/uno-wi-fi-developer-edition-serial1)	Implements Serial1 of Arduino Uno WiFi Developer Edition board to access the on-board ESP8266
USBHost (/libraries/usb-host)	Allows the communication with USB peripherals like mice, keyboards, and thumbdrives.
USB Host Shield Library 2.0 (/libraries/usb-host-shield-library-2-0)	Revision 2.0 of MAX3421E-based USB Host Shield Library.
USBPause (/libraries/usb-pause)	Pause and restore USB interrupts
USIWire (/libraries/usi-wire)	USI based TWI/I2C library for Arduino
UTFT_SdRaw (/libraries/utft_sd-raw)	A library that adds high speed image drawing functions from SD to UTFT.
vbus-arduino (/libraries/vbus-arduino)	Allows arduino to read data from some vbus compatible controllers.
VernierLib (/libraries/vernier-lib)	Library to make reading Vernier sensors used on a Vernier Interface Shield easy.
virtmem (/libraries/virtmem)	Virtual memory library to easily extend RAM.
VitconCommon (/libraries/vitcon-common)	A library package commonly used by the other libraries being published by vitcon
VitconIOT (/libraries/vitcon-iot)	A library for interfacing arduino device with VITCON IoT service.
VitconLink (/libraries/vitcon-link)	A library package for interfacing the microcontroller with VITCON Link modules.
VitconMQTT (/libraries/vitcon-mqtt)	A library for interfacing arduino-based device with MQTT using VITCON WIFI-LINK.
VL53L0X (/libraries/vl53-l0-x)	VL53L0X distance sensor library
VL6180X (/libraries/vl6180-x)	VL6180X distance and ambient light sensor library
VMA11 (/libraries/vma11)	The library for the Velleman VMA11 FM stereo arduino shield and the MM100 mini-module.
Voltage Reference (/libraries/voltage-reference)	Arduino voltage reference library
Volume (/libraries/volume)	Gives tone functionality with 8 bit volume control with no extra parts
Volume 3 (/libraries/volume-3)	Gives tone functionality with 10-bit volume control with no extra parts!
Volume2 (/libraries/volume2)	Gives tone() functionality with multiple waveforms and 8-bit volume control - with no extra parts!
VS1053 for use with SdFat (/libraries/vs1053-for-use-with-sd-fat)	Device library interfacing VS1053 MP3 player chip to Sd Card.

WatchDog (/libraries/watch-dog) WatchDog Timer Functions

WebSockets (/libraries/web-sockets) WebSockets for Arduino (Server + Client)

Webbino (/libraries/webbino) Advanced webserver for Arduino.

WEDO 2.0 BLE for ESP32 A library that supports to use BLE to connect and cotnrol the wedo2.0
(/libraries/wedo-2-0-ble-for-esp32)

WEMOS Matrix Compatible With Library for the WEMOS Matrix LED Shield that implements the Adafruit GFX Library
Adafruit GFX Library
(/libraries/wemos-matrix-compatible-
with-adafruit-gfx-library)

WiFi (/libraries/wi-fi) Enables network connection (local and Internet) using the Arduino WiFi shield. For all Arduino boards.

WiFiEsp (/libraries/wi-fi-esp) Arduino WiFi library for ESP8266

WiFi Link (/libraries/wi-fi-link) Enables network connection (local and Internet) using the Arduino WiFi Boards.

WiFiManager (/libraries/wi-fi- ESP8266 WiFi Connection manager with fallback web configuration portal
manager)

WiFi101 (/libraries/wi-fi101) Network driver for ATMEL WINC1500 module (used on Arduino/Genuino Wifi Shield 101 and MKR1000 boards)

WiFi101OTA (/libraries/wi-fi101-ota) Update sketches on your board over WiFi

WiiChuck (/libraries/wii-chuck) A library to communicate with Nunchuks and other Wii extension controllers.

Windows Virtual Shields for Arduino Windows Virtual Shields for Arduino allows an Arduino to communicate and control Windows devices running open-
(/libraries/windows-virtual-shields- source Windows Universal Application.
for-arduino)

Wio LTE for Arduino (/libraries/wio- The LTE module driver for Wio LTE.
lte-for-arduino)

WireData (/libraries/wire-data) A library to simplify sending data via I2C (aka TWI).

WireWrapper (/libraries/wire- Arduino Wrapper for Wire librarry (for SAM, ESP8266...)
wrapper)

wiring-timer (/libraries/wiring-timer) Timer based on Arduino millis() function, supporting OOP principles and interoperating with Arduino yield() and delay()
functionality.

WizFi250 (/libraries/wiz-fi250) Helps using your Arduino board to Wi-Fi easily and fast

WizFi310 (/libraries/wiz-fi310) Helps using your Arduino board to Wi-Fi easily and fast

XBee-Arduino library (/libraries/x-bee- Library for talking to to various wireless XBee modules from Digi.
arduino-library)

XLR8ADC (/libraries/xlr8-adc) Arduino library to take advantage of XLR8 ADC performance.

XLR8BuildTemplate (/libraries/xlr8- Template for building custom designs for XLR8
build-template)

XLR8Core (/libraries/xlr8-core) OpenXLR8 Core components

XLR8DigitalIO (/libraries/xlr8-digital- Arduino library for access to the extra pins available on an XLR8 Snō.
io)

XLR8Float (/libraries/xlr8-float) Arduino library for hardware accelerated floating point math.

XLR8Info (/libraries/xlr8-info) Arduino library for identifying features of XLR8 product

XLR8LFSR (/libraries/xlr8-lfsr) Simple LFSR example on the XLR8 FPGA.

XLR8NeoPixel (/libraries/xlr8-neo- Arduino library for controlling single-wire-based LED pixels and strip.
pixel)

XLR8Pong (/libraries/xlr8-pong) Pong game using the FPGA logic. For Alorium Technology's XLR8 board.

XLR8Quadrature (/libraries/xlr8- Arduino library for hardware accelerated quadrature encoder control.
quadrature)

XLR8Servo (/libraries/xlr8-servo) Allows Arduino boards to control a variety of servo motors. For Alorium Technology's XLR8 board.