ARDUINO DUEMILANOVE

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Chapter 1

Directory Hierarchy

1.1 Directories

This directory hierarchy is sorted roughly, but not completely, alphabetically:

Arduino 5
loop_cpp 7
include 6
src 8

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Arduino 9
StartIt 12

Chapter 3

Directory Documentation

3.1 Arduino/ Directory Reference

Directories

- directory loop_cpp

3.2 Arduino/loop_cpp/include/ Directory Reference

Files

- file **arduino.h**
- file **StartIt.h**

3.3 Arduino/loop_cpp/ Directory Reference

Directories

- directory include
- directory src

3.4 Arduino/loop_cpp/src/ Directory Reference

Files

- file **arduino.cpp**
- file **loop_cpp.pde**
- file **StartIt.cpp**

Chapter 4

Class Documentation

4.1 Arduino Class Reference

Public Member Functions

- Arduino ()

  CONSTRUCTOR: Arduino::Arduino() Class default constructor.

- Arduino (byte mac[6], byte ip[4])

  CONSTRUCTOR: Arduino::Arduino(byte mac [6], byte ip [4]) Class ethernet style constructor.

- Arduino (const Arduino &rhs)

  COPY CONSTRUCTOR: Arduino::Arduino(const Arduino &rhs) Class copy constructor.

- Arduino operator= (const Arduino &rhs)

  ASSIGNMENT OPERATOR: Arduino::operator=Arduino(const Arduino rhs) Class assignment operator.

- ~Arduino ()

  DESTRUCTOR: Arduino::~Arduino() Class default destructor.

- void init_ethernet ()

  METHOD: Arduino::init_ethernet() Default ether net mode initializer.

4.1.1 Detailed Description

Definition at line 24 of file arduino.h.

4.1.2 Constructor & Destructor Documentation

4.1.2.1 Arduino::Arduino ()

CONSTRUCTOR: Arduino::Arduino() Class default constructor.

Returns:

None

Parameters:

← ***None***

Definition at line 24 of file arduino.cpp.

4.1.2.2 Arduino::Arduino (byte *mac*[6], byte *ip*[4])

CONSTRUCTOR: Arduino::Arduino(byte mac [6], byte ip [4]) Class ethernet style constructor.

Returns:

None

Parameters:

← ***byte*** mac[6] (MAC address)

← ***byte*** ip[4] (IP address [IEEE 802.11 IPv4])

Returns:

None

Parameters:

← ***byte*** mac[6] (mac address)

← ***byte*** ip[4] (ip address [IEEE 802.11 IPv4])

Definition at line 36 of file arduino.cpp.

4.1.2.3 Arduino::Arduino (const Arduino & *rhs*)

COPY CONSTRUCTOR: Arduino::Arduino(const Arduino &rhs) Class copy constructor. Class copy constructor. Effectively copies over all private member variables from object rhs.

Returns:

None

Parameters:

← ***const*** Arduino rhs - Reference to the right hand side of the equation

Definition at line 67 of file arduino.cpp.

4.1.2.4 Arduino::∼Arduino ()

DESTRUCTOR: Arduino::∼Arduino() Class default destructor.

Returns:

None

Parameters:

← ***None***

Definition at line 135 of file arduino.cpp.

4.1.3 Member Function Documentation

4.1.3.1 void Arduino::init_ethernet ()

METHOD: Arduino::init_ethernet() Default ether net mode initializer.

Returns:

None

Parameters:

← ***None***

Definition at line 155 of file arduino.cpp.

4.1.3.2 Arduino::Arduino Arduino::operator= (const Arduino & *rhs*)

ASSIGNMENT OPERATOR: Arduino::operator=Arduino(const Arduino rhs) Class assignment operator.

Returns:

Arduino lhs - Reference to the left hand side of the equation

Parameters:

← ***const*** Arduino rhs - Reference to the right hand side of the equation

Returns:

Arduino ∗lhsPtr - Reference to the left hand side of the equation

Parameters:

← ***const*** Arduino rhs - Reference to the right hand side of the equation

Definition at line 100 of file arduino.cpp.

The documentation for this class was generated from the following files:

- arduino.h
- arduino.cpp

4.2 StartIt Class Reference

Public Member Functions

- StartIt ()

  METHOD: StartIt() Class default constructor.

- void run_it ()

  METHOD: run_it() Runs the main code we wish to execute on the microcontroller.

4.2.1 Detailed Description

Definition at line 24 of file StartIt.h.

4.2.2 Constructor & Destructor Documentation

4.2.2.1 StartIt::StartIt ()

METHOD: StartIt() Class default constructor. CONSTRUCTOR: StartIt() Class default constructor.

Returns:

None

Parameters:

← ***None***

Definition at line 23 of file StartIt.cpp.

4.2.3 Member Function Documentation

4.2.3.1 void StartIt::run_it ()

METHOD: run_it() Runs the main code we wish to execute on the microcontroller. METHOD: run_it() Runs the main code we wish to execute on the microcontroller.

Returns:

None

Parameters:

← ***None***

Returns:

None

Parameters:

← ***None***

Definition at line 35 of file StartIt.cpp.

The documentation for this class was generated from the following files:

- StartIt.h
- StartIt.cpp

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