Imperatori
Sistemi
Automatici
di Davide Imperatori

Data Acquisition Unit



Descrizione

La **Imperatori Sistemi Automatici** realizza schede di acquisizione dati (DAQ) multifunzione interfacciate a due fili (SDA, SCL)

Punti di forza di questo kit:

- Basso costo
- Compattezza
- Protocollo standard
- Versatilità

Description

Imperatori Sistemi Automatici has designed multifunctional Data Acquisition Boards (DAQ), interfaced with two wire interface (SDA, SCL)

The strength of the Tool is:

- Low Cost
- compactness
- Standard Protocol
- versatility

Specifiche

-ADC delta-sigma doppio canale risoluzione fino a 18 bit

-DAC doppio canale 12 bit

-4 GPIO programmabili

-PWM doppio canale

-GUI dedicata con data-log in csv

-Libreria Arduino dedicata

Specifications

-Double channel delta-sigma ADC up to 18 bit resolution

-Double channel 12 bit resolution DAC

- 4 programmable GPIO

-Double channel PWM

-Dedicated GUI with csv data-log

-Dedicated Arduino Library

Composizione del KIT

Il Kit si compone del dispositivo DAQ, del cavo di connessione quadripolare e del cavo di connessione a 6 poli GPIO

Con il kit viene fornito il software per la GUI e la libreria per utilizzo con Arduino

KIT composition

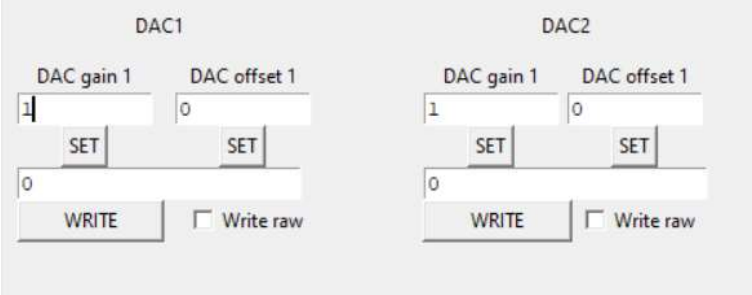
This kit is composed by the device, the 4-poles cable and the 6-poles GPIO cables.

The GUI software and the Arduino Library are delivered with the kit.

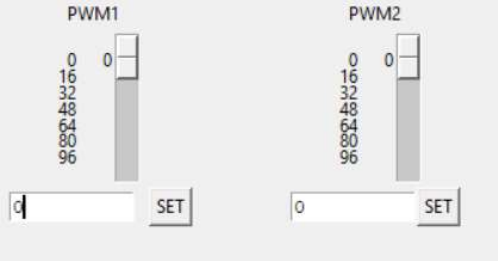
Views of the FREE control software (in case of direct use with the PC)



ADC reading and gain/offset setting



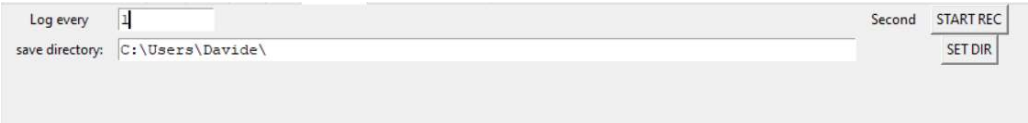
DAC setting with gain/offset



PWM control



GPIO control



Datalog