AirHMI Basic IO Control Board

AIRBASICBOARD

Overview

AirHMI Basic IO Control Board AirHMI HMI connects to GPIO 1 of the display and gets its energy from the display's supply. It offers 2 Digital Inputs, 2 PWM or Digital Input_outputs, 1 ADC and 3 Relay outputs using the pins of the display.

Package include:

*AirHMI Basic IO Control Board
*100mm flat cable

Specifications

	Data	Pieces	
Layout size	57mm(L)×45mm(W)×12.5mm(H)		
Relay	5V 3A	x3	
Analog Input		x1	
Digital Input		x2	
PWM or Digital Input_Output		x2	

Electronic Characteristics

	Test Conditions	Min	Typical	Max	Unit
Operating Voltage		4,65	5	6,5	V
Operating Current	VCC=+5V	–	20	–	mA
Power supply recommend	5V, 2.0A, DC				

Command Set

GPIO_Write("GPIO_3" , 1);	Pull Relay 1 to Closed circuit Position
GPIO_Write("GPIO_3" , 0);	Pull Relay 1 to Open circuit Position
GPIO_Write("GPIO_4" , 1);	Pull Relay 2 to Closed circuit Position
GPIO_Write("GPIO_4" , 0);	Pull Relay 2 to Open circuit Position
GPIO_Write("GPIO_5" , 1);	Pull Relay 3 to Closed circuit Position
GPIO_Write("GPIO_5" , 0);	Pull Relay 3 to Open circuit Position

ADC_Read(1, int *value);	Asking for Analog Input Value
GPIO_Read("GPIO_1", int *value);	Asking for Digital Input 1 Value
GPIO_Read("GPIO_2", int *value);	Asking for Digital Input 2 Value
PWM_Set(0, int frequance, int value);	PWM 1 Set
PWM_Set(1, int frequance, int value);	PWM 2 Set