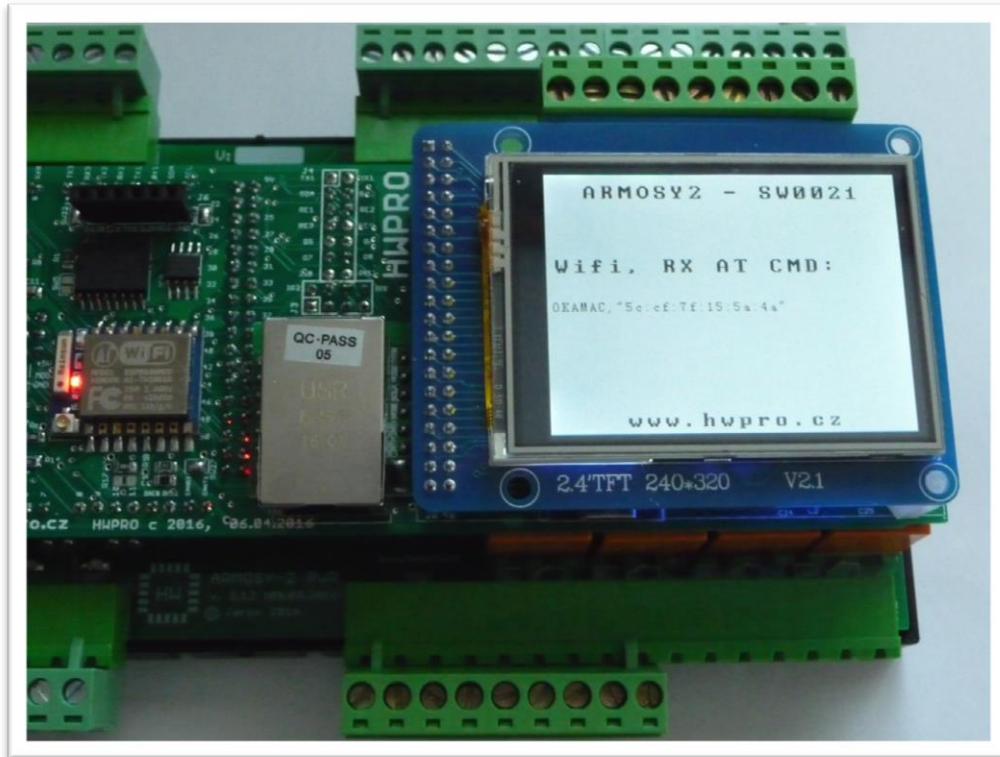


Example – SW0021

Control ESP8266 AT commands, display response



Universal Control System		ARMOSY-2			ARduino MOdule SYstem		
 ARM, 32 bit 84MHz, 512k FLASH	 Arduino DUE 3.3V Technology	 EEPROM, I2C 256 kB	 RTC, DS3231, I2C temper.compensation Battery CR2032	 SD CARD, SPI Slot In TFT LCD	 2.4" COLOR LCD 240x320 px	 NF amplifier, DAC Audio	
2x RS-232 115 kbps	Two Wire RS-485 115 kbps	Mini USB, FTB232 OPTION USB 1 Mbps	ESP8266, UART OPTION WiFi 2 Mbps	W5500, SPI OPTION Ethernet 10/100 Mb, 2 LED	GSM, UART OPTION GSM SIM800L	Two I2C BUS 1-wire DALLAS BUS 1Wire BUS	
8x INPUT Optocoupler 6 MODE	8x OUTPUT Optocoupler 3 MODE, PWM	8x IN / OUT Universal I/O Direct CPU	2x OPTION 0 – 30A Current measurement	4x AD OPTION 0 – 10V 18b AD Converter	4x DA OPTION 0 – 10V 12b DA Converter	4x OPTION 10A, 250V, AC	
POWER INPUT 8V ~ 72V, 3W AC, DC, USB	Measurement System Voltage 3.3V / 5V	OTHERS 2x Buttons 2 x LED Buzzer	User Design PCB Size 10x4 cm	DIN OPTION 12 modul	Programming Free Software	CZ, EN User manual Examples	

```

/* !!!!!!!!!!!!!!! ARMosY-2 Example !!!!!!!!!!!!!!!
Control ESP8266 AT commands, display response
Hardware: ARMosY-2
Version HW: 2.12
Create: 24.04.2016
!!!!!!!!!!!!!! TERMINAL CONNECTION !!!!!!!!!!!!!!!
63 - IN POWER, VCC min 8V/1A!
64 - IN POWER, ---
77 - Connection USB Special Cable!!! <-> USB PC
!!!!!!!!!!!!!! BASIC AT COMMAND !!!!!!!!!!!!!!!
AT - Working
AT + RST - Reset
AT+GMR - Firmware Version
AT+CIFSR - Get IP Address
AT+CIOBAUD? - Baud Rate
*/

// ; LIBRARY
#include <UTFT.h>

// ; DECLARATIONS
UTFT myGLCD(ITDB24, 38, 39, 40, 41); // RS, WR, CS, REST
extern uint8_t BigFont[]; // UTFT Fonds
extern uint8_t SmallFont[]; // UTFT Fonds
String command; //String to hold commands sent to SIM800

#define Serial SerialUSB //USB PC
#define Wifi Serial1 // ESP8266 serial 1
#define PC Serial //PC serial

// !!!!!!!!!!!!!!! SETUP !!!!!!!!!!!!!!!

void setup()
{

// ; TOUCH, UTFT
myGLCD.InitLCD(); // Initialization LCD
myGLCD.clrScr(); // Clear Screen
myGLCD.fillScr(VGA_WHITE); // VGA Background Transparency
myGLCD.setColor(0, 0, 0); // Black Fonds
myGLCD.setBackColor(255, 255, 255); // White Background
myGLCD.setFont(BigFont); // Select Font

// ; SERIAL
PC.begin(115200); // speed
Wifi.begin(115200); // speed

// ; HEADER

myGLCD.print("ARMOSY2 - SW0021", CENTER, 10);
myGLCD.print("www.hwpro.cz", CENTER, 220);
myGLCD.print("Wifi, RX AT CMD:", 5, 80);
myGLCD.setFont(SmallFont); // Select Font
Wifi.println("AT+CIFSR"); //IP, MAC...
}

```