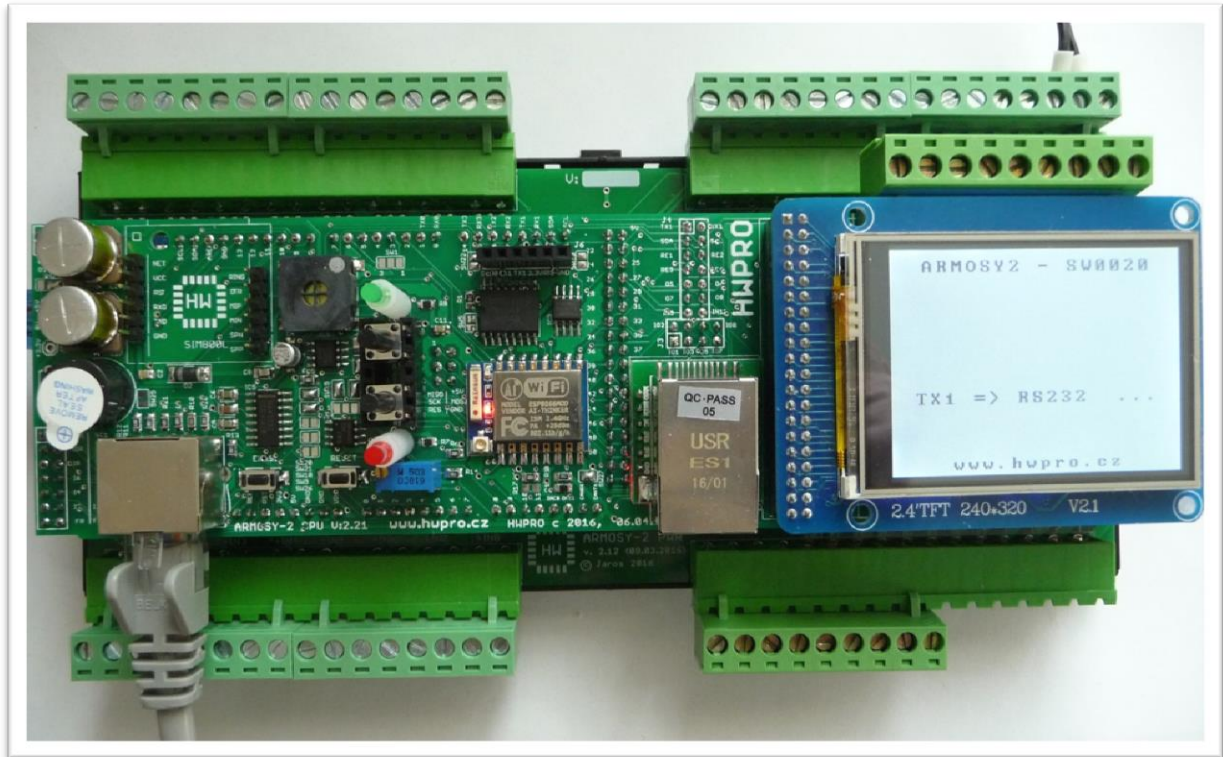


Example – SW0020

Transmit data UART1 => RS-232, 115200bps 8N1



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

```

/* ||||| ARMOZY-2 Example |||||
Transmit data UART1 => RS-232, 115200bps 8N1
Hardware: ARMOZY-2
Version HW: 2.21
Create: 24.04.2016

||||| TERMINAL CONNECTION |||||
63 - IN POWER, VCC min 8V/1A!
64 - IN POWER, -"-
74 - RS-232, 7(TX1), 8(RX1), Terminal 115200 8N1

||||| JUMPER |||||
SW20 - ON (Enable RX RS232)
SW21 - ON (Enable TX RS232)
SW22 - OFF (Disable TX ESP8266)
SW23 - OFF (Disable RX ESP8266)
*/

// | LIBRARY
#include <UTFT.h> //Driver UTFT

// | DECLARATIONS
UTFT myGLCD(ITDB24,38,39,40,41); // RS, WR, CS, REST
extern uint8_t BigFont[]; // UTFT Fonds
String command; //String to hold commands
#define RS232 Serial1 // USB

// ||||| SETUP |||||

void setup() {

// | 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

// | HEADER
myGLCD.print("ARMOSY2 - SW0020", CENTER, 10);
myGLCD.print("www.hwpro.cz", CENTER, 220);

// | SERIAL UART
Serial1.begin(115200); // Speed
}

// ||||| MAIN |||||

void loop(){
myGLCD.print("TX1 => RS232 ...", CENTER, 150);
RS232.print("ARMOSY2 - TX1 RS232 - HWPRO, www.hwpro.cz '\n'");
}

```

