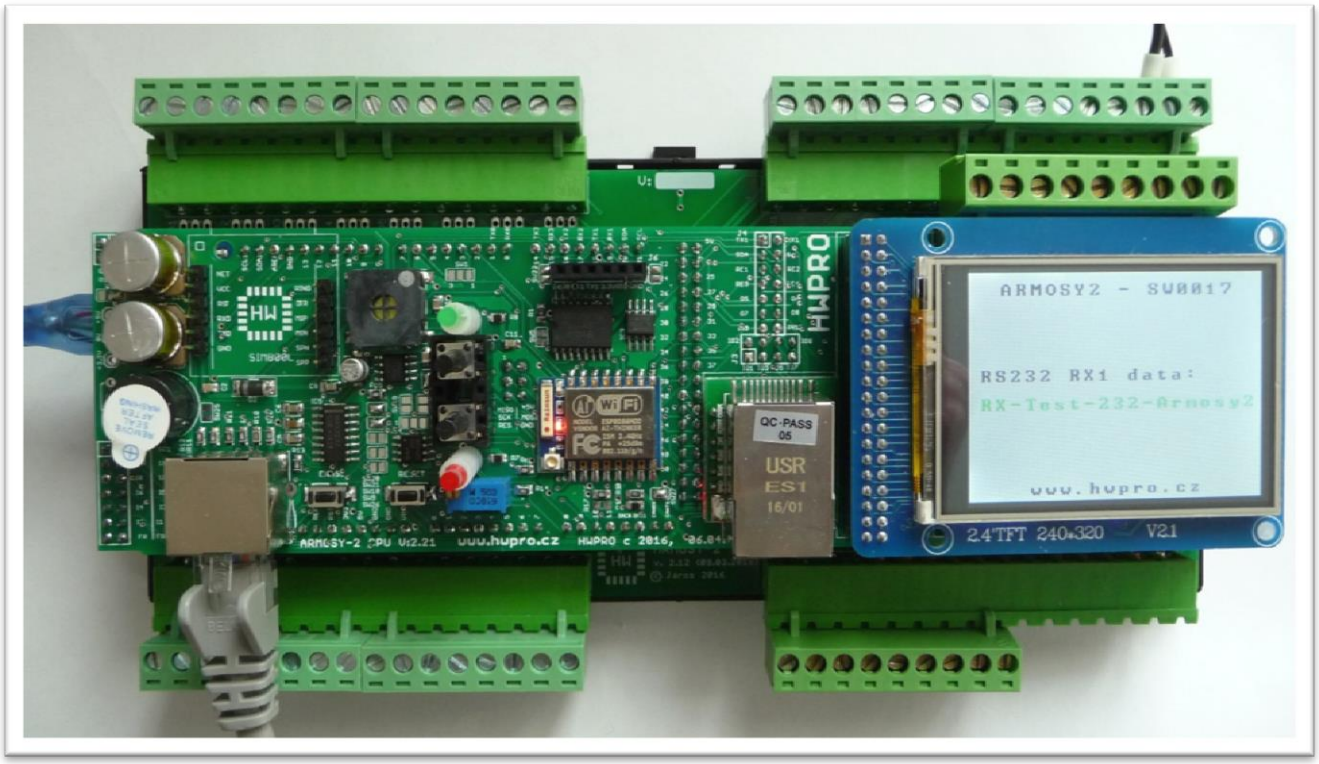
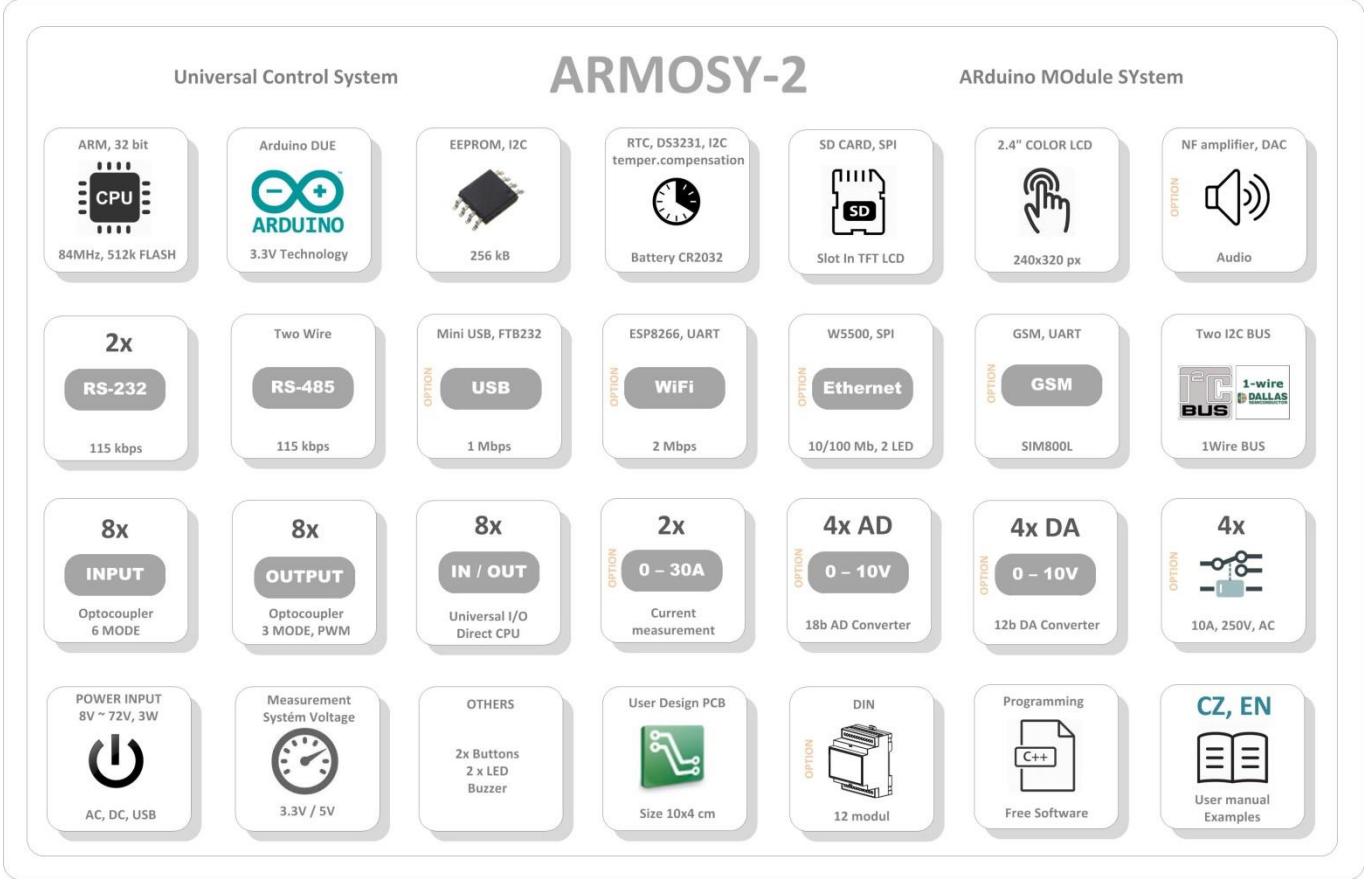
Example – SW0017

Receiver data RS-232 => UART1, View TFT, 115k





```
/* ¦¦¦¦¦¦¦¦¦¦¦¦¦ ARMOSY-2 Example ¦¦¦¦¦¦¦¦¦¦¦¦
Receiver data RS-232 => UART1, View TFT, 115k
Hardware: ARMOSY-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 RS232-1)
SW21 - ON (-"-)
SW22 - OFF (Disable ESP8266)
SW23 - OFF (-"-)
*/

// ¦ 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 - SW0017", CENTER, 10);
  myGLCD.print("www.hwpro.cz", CENTER, 220);
  myGLCD.print("RS232 RX1 data:", 10, 100);

// ¦ SERIAL UART
   Serial1.begin(115200); // Speed UART1
}

// ¦¦¦¦¦¦¦¦¦¦¦¦¦ MAIN ¦¦¦¦¦¦¦¦¦¦¦¦


void loop(){

 while(RS232.available()>0)  // RX data USB (RX3)
  if(RS232.available()>0)
  {
   char c = RS232.read(); // c <= USB
   if(c == '\n')
```

```
    {


      ParseCmd(command);
      command = "";
    }
    else if (c != '\r')command += c;
   }
}

 // Read command
void ParseCmd(String com)
{
    String cmd = com.substring(com.indexOf(":")+1); // cmd <= serial:
    myGLCD.setColor(0, 255, 0); // Green Fonds
    myGLCD.print(cmd, 10, 130); // Print UTFT
}
```