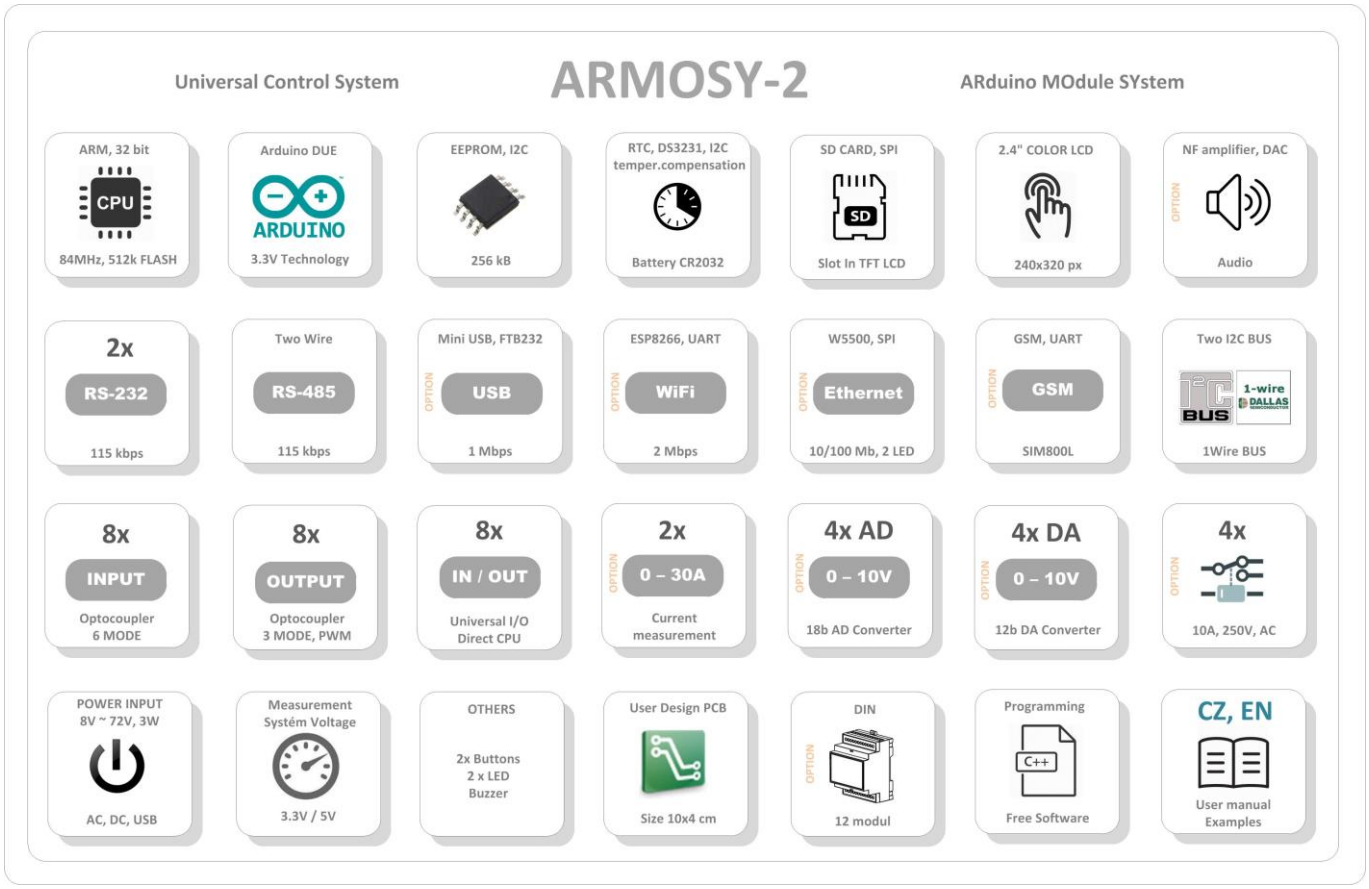
Example – SW0016

Receiver data USB => UART3, View TFT



```
/* ¦¦¦¦¦¦¦¦¦¦¦¦¦ ARMOSY-2 Example ¦¦¦¦¦¦¦¦¦¦¦¦
Receiver data USB => UART3, View TFT
Hardware: ARMOSY-2
Version HW: 2.21
Create: 24.04.2016

¦¦¦¦¦¦¦¦¦¦¦¦¦ TERMINAL CONNECTION ¦¦¦¦¦¦¦¦¦¦¦¦
63 - IN POWER, VCC min 8V/1A!
64 - IN POWER, -"-
76 - USB, Terminal 115200 8N1

¦¦¦¦¦¦¦¦¦¦¦¦¦ JUMPER ¦¦¦¦¦¦¦¦¦¦¦¦
SW9 - OFF
SW10 - 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 USB Serial3 // 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 - SW0016", CENTER, 10);
  myGLCD.print("www.hwpro.cz", CENTER, 220);
  myGLCD.print("USB RX3 data:", 10, 100);

// ¦ SERIAL UART
   Serial3.begin(115200); // Speed UART3 ARRMOSY USB FT232
}


// ¦¦¦¦¦¦¦¦¦¦¦¦¦ MAIN ¦¦¦¦¦¦¦¦¦¦¦¦

void loop(){

 while(USB.available()>0)  // RX data USB (RX3)
  if(USB.available()>0)
  {
   char c = USB.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
}
```