| **Blok** | **Data In** | **Data Uit** |
| --- | --- | --- |
| USB-C connector | USB data van tablet/pc | USB data van ATMega |
| USB bridge | USB data van tablet/pc, sensor data via UART van ATMega | Sensor data via USB protocol, UART naar ATMega |
| ATMega328p | Kloksignaal, sensor data via I2C (5v), barcode data via UART | OLED display data via I2C (5V), sensor data via UART |
| 16MHz Crystal | N.V.T | Kloksignaal van 16MHz |
| I2C level shifter | I2C 5V van ATMega en I2C 3.3V van display/sensor | I2C 5V van ATMega en I2C 3.3V van display/sensor |
| Temp/Humidity/... sensor | Commando’s via I2C (3.3V) | Sensordata via I2C (3.3V) |
| OLED display | Display data via I2C (3.3V) | N.V.T |
| Barcode reader | Barcode | Barcode data via UART |
| Polyfuse | +5V van USB | +5V naar ATMega |