

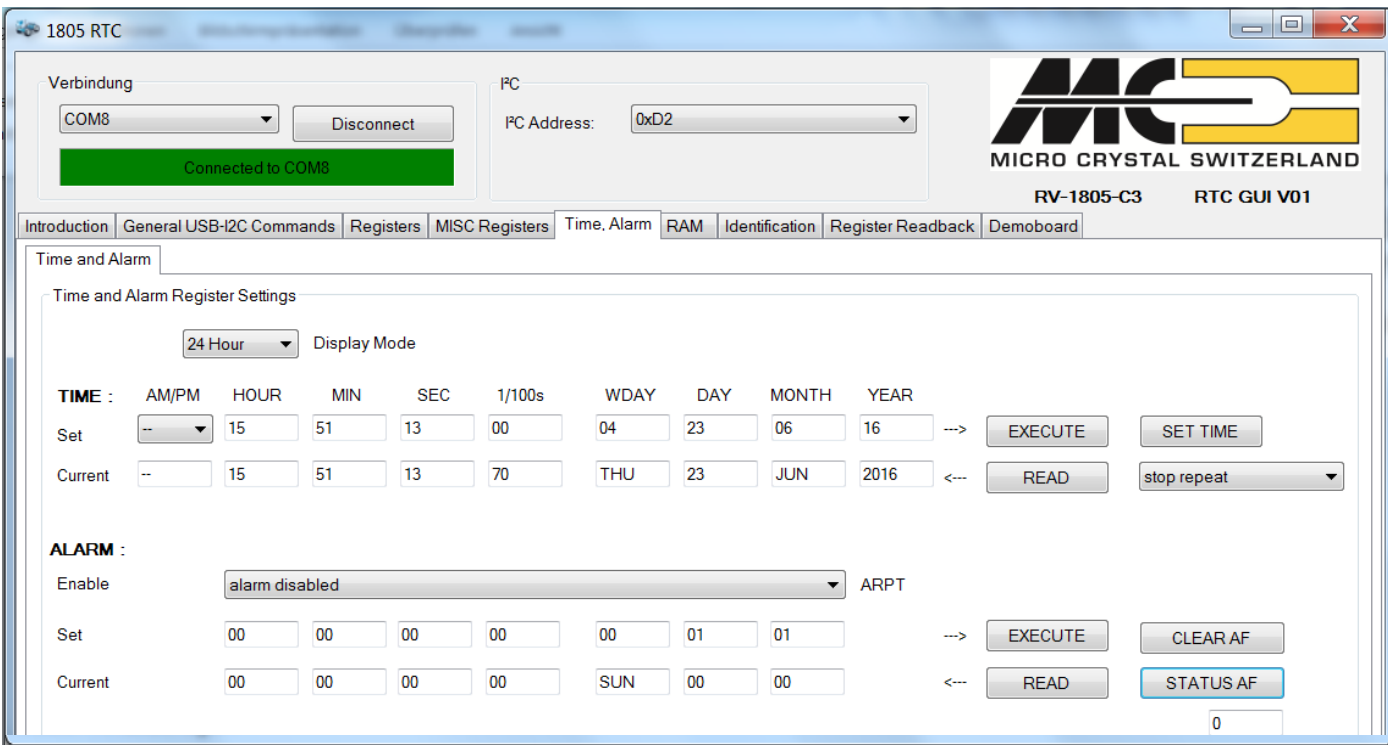
RV-1805-C3 Extreme Low Current consumption

- XTAL-Mode 60nA, RC-mode 17nA, RC- Autocalibration mode 22nA
- Time, $\frac{1}{100}$ s resolution, Date, Alarm, Timer
- Watch dog with dedicated input
- Factory calibrated Time accuracy ± 2.0 ppm
- I²C Bus Interface: (fast mode up to 400kHz)
- Operating voltage 1.6 to 3.6 V
- Time keeping mode down to 1.5 V
- 512 Bytes of User RAM
- Power Management with Power-Switch and Trickle Charger

Description:

The evaluation kit simplifies the system design. The RTC functions can be directly evaluated and tested. The kit has 4 parts:

- Dongle to establish the Interface between the USB-port of the PC and the I²C-bus
- The translation board to convert the 5 V domain of the dongle to a 3.3V domain for the RTC
- The development board RV-1805-C3. All components including the small RTC package and a row of pins are preassembled
- The Graphical User Interface (GUI) is ready for download.

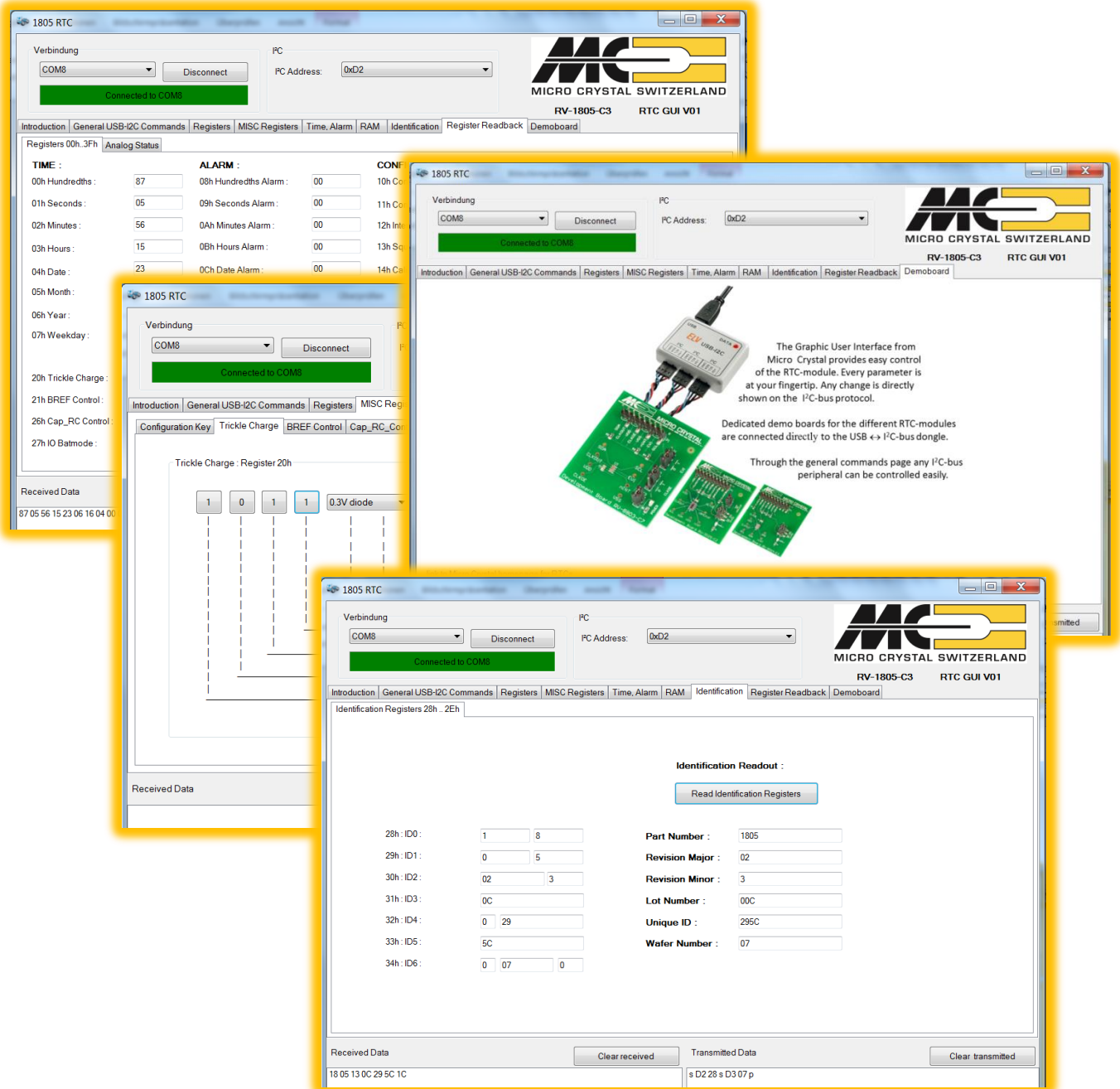


Graphical User Interface:

Software

The software control via the GUI allows a fast start to communicate via I²C-Bus with the Real-Time Clock. Every register is directly decoded and visualized. All the functions, e.g. setting / reading the actual time can be interactively accessed.

Aside from the detailed GUI pages for the Real-Time Clocks, a General USB-I²C Commands page allows communication with any I²C-bus RTC by directly entering the hex codes.



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