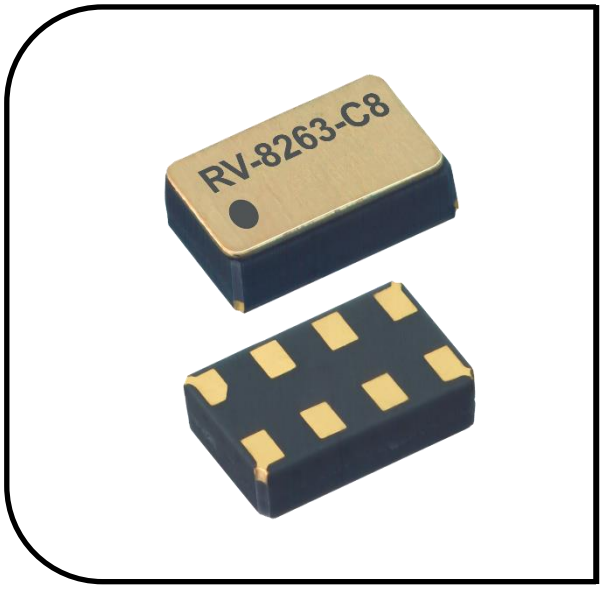
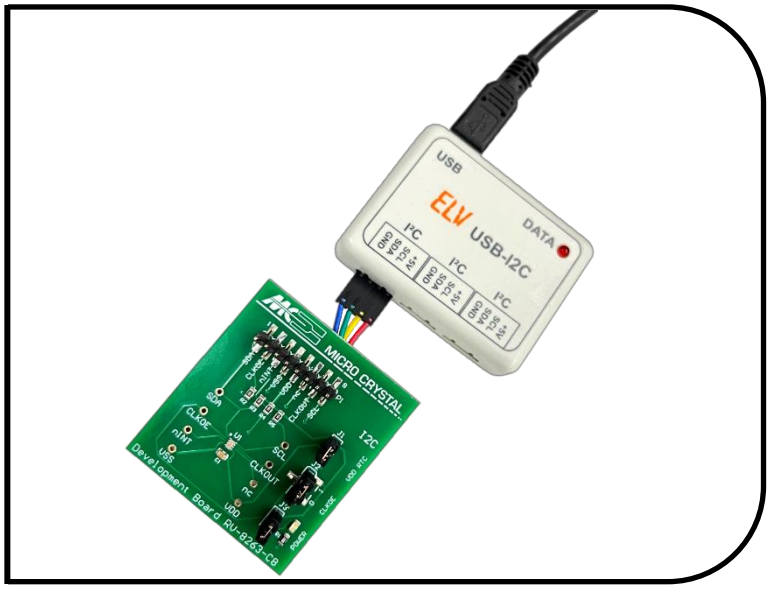
MICRO CRYSTAL SWITZERLAND

Evaluation kit RV-8263-C8

Real-Time Clock Module with I²C-Bus





RV-8263-C8 is a Real-Time Clock Module with low power consumption of 190nA @ 3V
Wide operating voltage range: 0.9 V to 5.5 V

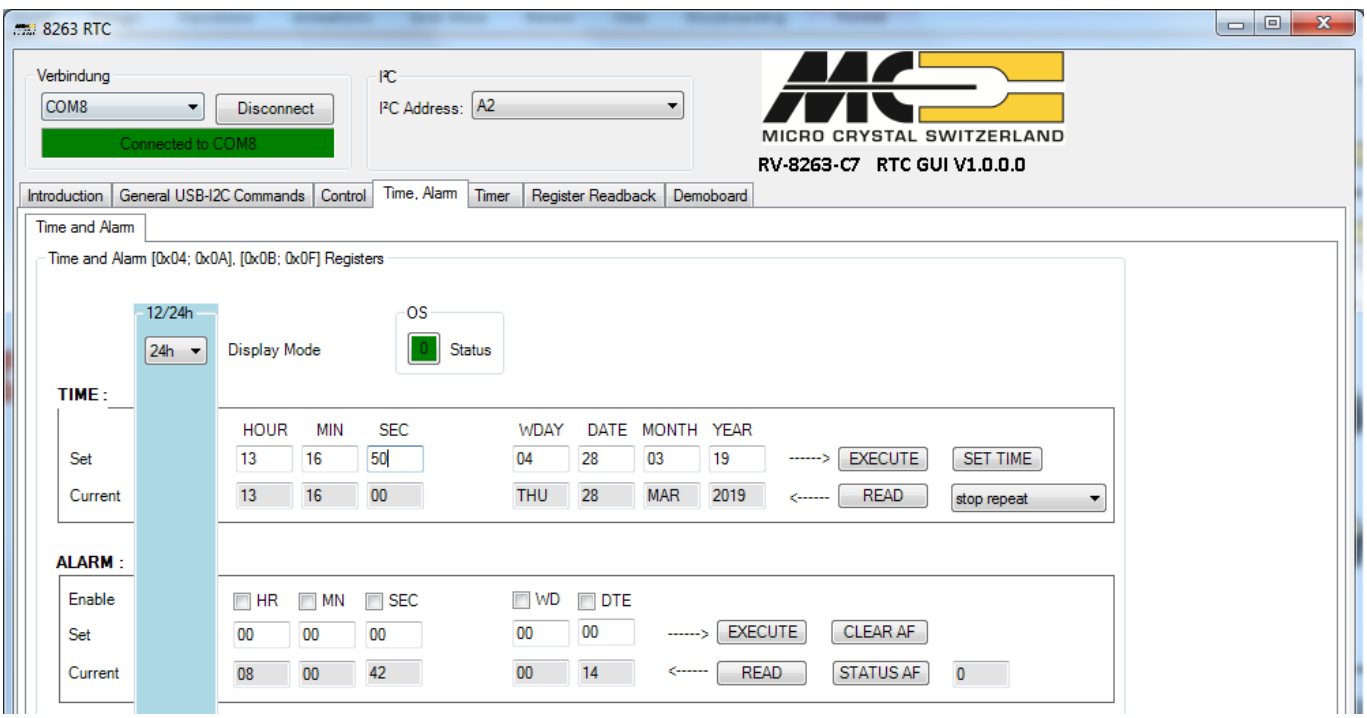
Provides time and date from seconds to years
Timer and Alarm functions
I²C-bus interface: 400 kHz

The RV-8263-C8 is a SMT Real-Time Clock Module that incorporates an integrated CMOS circuit together with an XTAL with small form factor 2.0 x 1.2 x 0.7 mm

Description:

The evaluation kit simplifies the system design. The RTC functions can be directly evaluated and tested. The kit has 3 parts:

- Dongle to establish the Interface between the USB-port of the PC and the I²C-Bus
- The development board RV-8263-C8. All components, including the tiny RTC package and a row of pins are preassembled
- The Graphical User Interface (GUI) is ready for download.

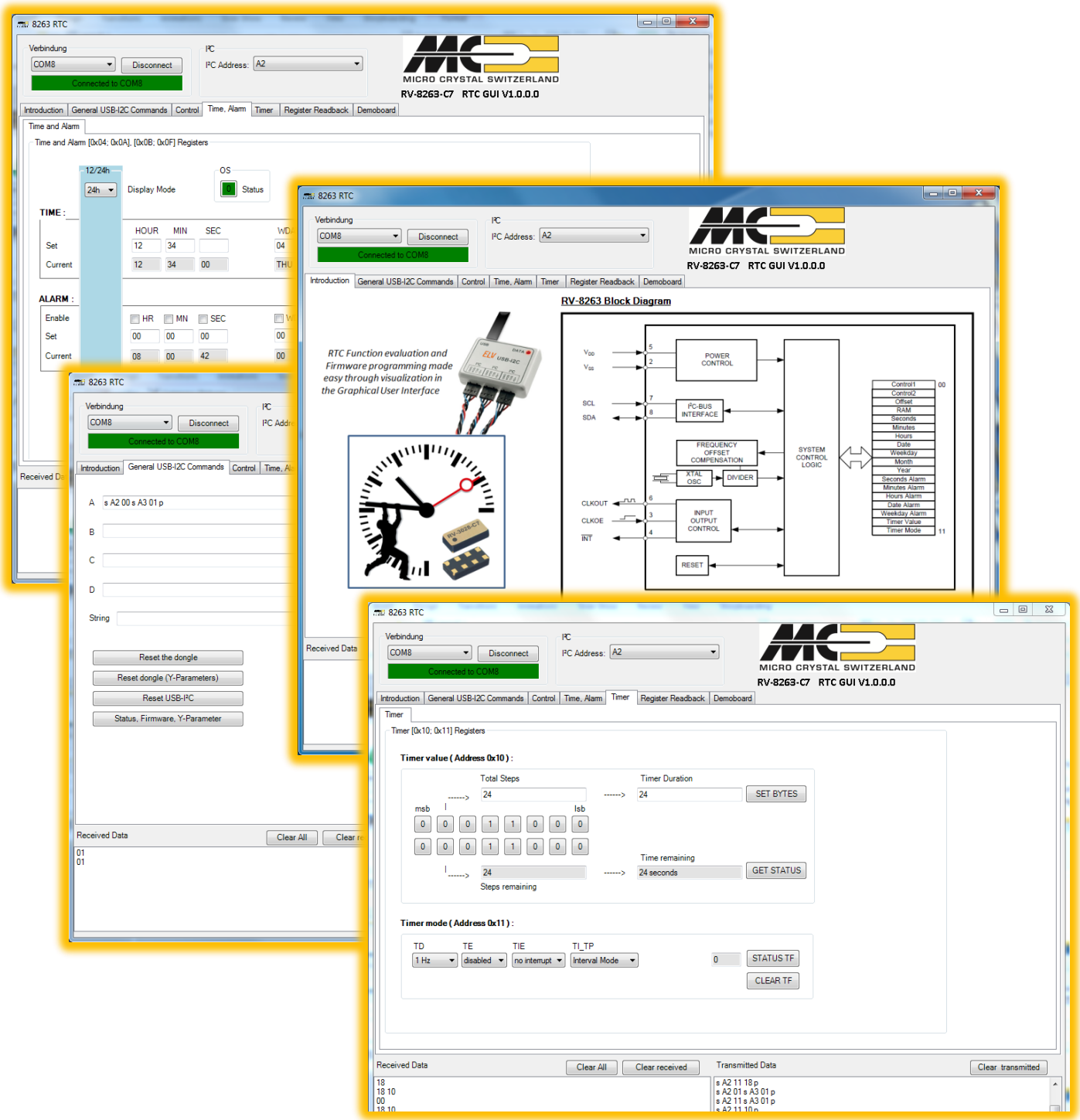


Graphical User Interface:

Software

The software control via the GUI allows a fast start to communicate with the Real-Time Clock via I²C-Bus. 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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