

# Microcontrollers

## ApNote

## AP1664

☒ : Additional file  
AP1664xx.EXE available

### MiniMon -

### Freeware Monitor for the Infineon C16x Family

**Get the latest Version of MiniMon here !**

MiniMon is a tiny system monitor, suitable for all members of the Infineon C16x microcontroller family. For connection set-up via serial interface a common C16x bootstraploader is required. Supported Operating Systems: Windows 95<sup>TM</sup> and above, Windows NT<sup>TM</sup> V4.0 and above.

Author : Peter Kliegelhöfer / MD AE Microcontrollers Application Support

Contents	Page
1 MiniMon Overview.....	3
1.1 Notes & Hints .....	4

AP1664 ApNote - Revision History		
Actual Revision : 07.99 Previous Revision : 04.99		
Page of actual Rev.	Page of prev.Rel.	

## 1. MiniMon Overview

MiniMon is a tiny & tricky system-monitor, suitable for all members of the Infineon C16x microcontroller family. MiniMon is *Freeware* and therefore not supported by Infineon !

System requirements:

- Common C16x bootstraploader
- Free ASC0 channel

Supported Operating Systems:

- Windows 95<sup>TM</sup> and above, Windows NT<sup>TM</sup> V4.0 and above

Some MiniMon Features:

- Hex Editor
- Memory Transfer Function
- On-chip OTP/ Flash Memory Programming
- Disassembler
- SFR Manipulation
- Low-level Degugging
- Batch Functionality by Script File (e.g. with loop option)
- Monitor relocatable to any address (internal or external memory) at any time
- Baudrate "on-the-fly" switchable
- Help Function

...

Main Applications:

- Hex Editing
- Memory Dumps
- In-System Flash/ OTP Programming
- Testing of Microcontroller/ On-Chip Peripherals
- Testing of external Hardware
- Downloading, Starting and (restricted) Debugging of User Applications

## 1.1 Notes & Hints

- By default MiniMon expects serial communication via RS232, but MiniMon also supports single wire data transmission (K-Line). When using the K-Line option, transmission speed can be significantly increased by deactivating the FIFO of the used communication port of the PC. This concerns Windows 95 as well as Windows NT.
- MiniMon cannot operate when the selected COM port is already used by another device.
- Get comfortable on-line help via "F1" function key.
- Existing driver files for in-system Flash/ OTP programming can be adapted due to requirements of other/ future C16x device steps by the user itself: all driver sources are free and part of MiniMon !
- Please always have a look at the Status Sheet/ Errata Sheet of the used device step !