



Application Note: How to read the IIH (Integrated Info Header) from the BIOS of Kontron Technology CPU boards, in order to get board identification.

The IIH block can be located in memory by scanning address F0000h to FFFF0h searching for: '\$IIH' (24h, 49h, 49h, 48h) on a 16 byte boundary.

The IIH is implemented for 886LCD-M/mITX, 886LCD-M/Flex, 886LCD-M/ATX, 886LCD/mITX, 986LCD-M/mITX, 986LCD-M/Flex, 986LCD-M/ATX and KT965/Flex boards.

The IIH is also supported through the DMI (Desktop Management Interface). Refer to Specification of SMBIOS at <http://www.dmtf.org/standards/smbios/>.

Disclaimer: KONTRON Technology A/S reserves the right to make changes without notice.

The IIH block contains the information described in the table:

Field	Size	Contents	Offset
Magicscan	4 bytes	'\$IIH' (24h, 49h, 49h, 48h)	0-3
Infosize	1 byte	Amount of info in bytes, exclude header and this byte	4
Boardinfo	1 byte	40 = 886LCD-M/Flex 48 = 886LCD/mITX 50 = 886LCD-M/ATX 60 = 786LCD/mITX 90 = 986LCD-M/mITX 91 = 986LCD-M/Flex 92 = 986LCD-M/ATX 94 = KT965/Flex	5
BIOSmjr	1 word	BIOS MAJORVERSION (in Hex value)	6-7
BIOSmnr	1 word	BIOS MINORVERSION (in Hex value)	8-9
Reserved	1 byte	N/A	10
S/N	4 bytes	S/N in BCD	11-14
P/N	4 bytes	P/N in BCD	15-18