Related Products	DIMM-VGA2/Combo2, DIMM-PC/386, DIMM-PC/386-IE
Subject	Enabling a boot string with DIMM-PC/386 by using DIMM-VGA2
Document Name	BootstringVGA2_E111.doc
Usage	Common

1. REVISION HISTORY

Date	Document Name	Subjects added, changed, deleted	Changed by
10-Feb-03	BootstringVGA2_E110.DOC	Initial release	U. Geisler
04.06..03	BootstringVGA2_E111.DOC	Updated Bootstring tool to ver. 1.01 (Timeout function)	U. Geisler

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3. GENERAL INFORMATION

On Modules from KONTRON EMBEDDED Modules with Phoenix BIOS it is possible to display a dark boot logo during booting (Refer to to Appli-Note “DARKBOOT LOGO”).

DIMM-PC´s (D101, D201) with AMIBIOS in combination with a DIMM-VGA2/Combo2 are not able to use this DARKBOOT LOGO feature. For these modules a tool DIO4STR.EXE is available to write the serial EEPROM with the boot string information.

NOTE:
The boot string option with DIMM-VGA2/Combo2 is valid from Video-BIOS ver. DIO4R106.ROM!

4. REQUIRED SOFTWARE

Contact your local sales office to get the following utilities for enabling a boot string on DIMM-PC/386 in combination with DIMM-VGA2/Combo2.

DIO4STR.EXE*	DOS-tool to write the boot string to the serial eeprom
DIO4ROM.EXE	Flash tool to program the video-BIOS (only necessary if Video-BIOS is older than DIO4R106.ROM)

Table 1

*With version 1.01 it´s possible to program a timeout in seconds. The bootstring will now be displayed according to the timeout value that has been programmed.

The version number can be viewed by typing in **dio4str.exe** without any options variables. The version number will returned once this is executed.

5. HOW TO CREATE A BOOT STRING

1. If Video BIOS ver. is below DIO4R106 then you should update it.
2. Run DIO4STR.EXE at the DOS prompt:

Usage:
DIO4STR **<option>** <"String"> <xpos> <ypos> <timeout[sek]>

Options:
/W = write: write string to serial eeprom
/R = read: read string from eeprom and show it on the screen
/N = normal: normal boot sequence
/D =dark: standard dark boot sequence

Rules: Use quotation marks (“”) to encapsulate the string. Maximum 80 characters. If only one word is used the quotation marks are not necessary.

Example:
C:\DIO4STR **/W** "Hallo User" 15 10 5
C:\DIO4STR **/W** Hallo 20 15 5