

# User guide of WASM V 0.17

## Introduction

WASM.EXE is a utility for writing the basic DMI and ASM information to SEEPROM page 0, such as the model name, housing type, and some internal parameter setting.

## Customer Requirement

A utility can support factory to update the SEEPROM page 0.

## System Requirement

The model supports SEEPROM v0.1.

Ps. only M9N, M11C, X3 and M17A available now (30/10/97)

## Usage

WASM [filename][/c][/a][/v][/sn1:xx][/sn2:xx][/vsn1:xx][/vsn2:xx][/t1:xx][/t2:xx][/?][h]  
[filename] : Specify the data file.

Default : model.rdm

[/c] clear page 0 of SEEPROM before loading data from file.  
[/a] clear all pages of SEEPROM  
[/v] verify ASM data between on EEPROM and in file.  
[/sn1:xx] input serial number of motherboard from KB or bar code scanner.  
xx is the length of serial number of motherboard. ( 1 ~ 19 )  
[/sn2:xx] input serial number of system from KB or bar code scanner.  
xx is the length of serial number of system. ( 1 ~ 27 )  
[/vsn1:xx] verify serial number of mother board between on EEPROM and from KB or bar code scanner.  
[/vsn2:xx] verify serial number of system between on EEPROM and from KB or bar code scanner.  
[/t1:xx] assign fatal temperature. xx is the degree ( -10~110 °C )  
[/t2:xx] assign warning temperature. xx is the degree ( -10~110 °C )  
[/?] [/h] help information  
\*\* if [/sn1:xx], [/sn2:xx], [/t1:xx] or [/t2:xx] exist, wasm.exe will only update serial number and skip other fields.

## The Format of data file

The data file is a text file. You can edit it by any text editor under DOS. It contains two parts, the first one is DMI information and the second one is ASM information. Next table describes the detail format of data file.

Format	Example
vv n t <sub>1</sub> t <sub>2</sub> t <sub>3</sub> ... t <sub>n</sub>	12 2 2 2
0100	0100
string	Acer
string	V35LA
0200	0200
string	Acer
string	V35LA
ASM_ver	46
SYS_ver BB_ver	1 1
CHA_name	IDUN
CHA_ver	1
Fan_no Power_no	2 1
T2 T4	31 50
Fuse	1f

## Sample \*.rdm file

```

----- version number
|
12 2 2 2      ---- These data are entered as program variables, like  size of array or counter of loop
0100          ---- System info
Acer          ---- Vendor
AcerAltor 9000      -----system product name
0200          ---- M/B info
Acer          ---- Vendor
M9N           ---- Mainboard product name
46            ---- product model (M9N, M11C, X3....)
1 1           ---- (system revision=1) (board revision)
IDUR          ---- cha-name
1             ---- chase version
3 2           ---- (housing fan no#) (power supply no#)
31 50         ---- (fatal temp index in HEX) (warning temp index in HEX)
1f            ---- (SCSI2, SCSI1, USB2, USB1 and Mouse/key fuse)

```

## ASM information

The detail format of ASM fields:

Field	Description & Format
ASM_ver	SEEPROM version (2 characters)
SYS_ver	System version (1 character)
BB_ver	Base Board version (1 character)
CHA_name	chassis name (string, the effective length is 10)
CHA_ver	chassis version (1 character)
Fan_no	Fan number of Housing (decimal number, maximal is 15)
Power_no	Power supply number (decimal number, maximal is 15)
T2	fatal temperature LM782 (2 hexadecimal digit)
T4	warning temperature LM784 (2 hexadecimal digit)
fuse	fuse map (2 hexadecimal digit)

## Example

1. wasm  
--read data from model.rdm and update SEERPOM page 0.
2. wasm m9n.rdm  
--read data from m9n.rdm and update SEERPOM page 0.
3. wasm /sn1:12  
-- The serial number of motherboard will be read from KB or bar code scanner, and its length is 12, and keep the other field.
4. wasm /sn2:10  
--The serial number of system will be read from KB or bar code scanner, and its length is 10, and keep the other field.
5. wasm /c  
--read data from model.rdm and update SEERPOM page 0. Clear whole page 0 before updating.
6. wasm /a  
--read data from model.rdm and update SEERPOM page 0. Clear all pages (page 0, 1, 2, 3 ) before updating
7. wasm /t1:80  
--Set the fatal temperature is 80°C, and keep the other field.
8. wasm /t2:80  
--Set the warning temperature is 80°C, and keep the other field.
9. wasm m9n.rdm /v  
--Verify the content of EEPROM and the data in m9n.rdm file
10. wasm /vsn1:12  
--Verify the content of EEPROM and the data entered by keyboard/barcode scanner.