

# Watchdog Timer Software

## for Windows

## **User Manual**

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### I. Introduction

This software goes with all of the AAEON's SBC series products that can allow users program the hardware watchdog function under the Microsoft Windows Operation System. (Including Windows 9x / ME / NT / 2000 / XP / Server 2003)

\*\* This version only for AAEON's

#### SBC-456, SBC-657, HSB-657I,

#### SBC-780, GENE-6330, GENE-6310 Rev.A.

If you want to use it on other models, please find the right version on our web site.

### II. Main Feature

- Running in any 32bit Windows operation system
- Support Touch screen / Keyboard / Mouse input
- Support Command Line for user's parameters
- Support Windows Standby / Suspend function
- Easy put this program to your applications

#### **III. Installation**

A. Please execute the installation program directly. The first image for Installation program is as Illustration1. Please click < Next > to process the installation initiation as Illustration2.



## (Illustration1)

Watch Dog Timer	- InstallShield Wiza	rd			
Extracting Files The content:	s of this package an	e being extr	acted.		
Please wait w Dog Timer on	vhile the InstallShield ) your computer、Th	d Wizard ext iis may take	tracts the files a few moment	needed to install s.	Watch
Reading cont	ents of package				
allShield					
			< <u>B</u> ack	<u>N</u> ext >	Cancel

(Illustration2)

B. After you click < Yes > button to approve the license agreement, you would click < Next > to the verification image. Please verify the route where you would like to install.

(See Illustration5 & 6)

Dense Agreement		fll		
Flease read the following lit	ense agreement	careruliy.		
Press the PAGE DOWN ke	y to see the rest o	of the agreement.		
End-User License Agreem	ent			<u> </u>
Software Products: Watch	dog Timer Softwa	re		<u> </u>
Licensor: AAEON Technol	ogy Inc. ("AAEON	ł")		
IMPORTANT - Read this L	icense Agreemer	it Carefully:		
THIS IS A LEGAL AGREE THE "END USER", AND /	MENT BETWEEI AEON Technolo	NYOU (either an ind gy Inc. By installing,	lividual or a single copying, or other	entity), wise 🗨
Do you accept all the terms setup will close. To install \	of the preceding Watch Dog Timer	License Agreement , you must accept th	? If you choose N is agreement.	lo, the
norneid -				

## (Illustration3)

AAEON Software Watchdog Timer

InstallShield Wizard		×
Information Please read the following text.		
Text		
Software Products : Watchdog Timer		*
Version : 0.7		
Licensor : AAEON Technology Inc. ("AAEON	4'')	
		-
1		
InstallShield		4
	< <u>B</u> ack <u>Next</u> >	Cancel

## (Illustration4)

oose Destination Location		
Select folder where Setup will install file	es.	
Setup will install Watch Dog Timer in th	he following folder.	
To install to this folder, click Next. To i another folder.	nstall to a different folder, click Bro	owse and select
- Destination Folder		
- Destination Folder C:\Program Files\AAEON Software\	Watch Dog Timer	Bīowse
- Destination Folder C:\Program Files\AAEON Software\ Shield	Watch Dog Timer	Biowse

## (Illustration5)

C. Please click < Next > in order and you will end up the Installation process.

(See Illustration7 & 8)

And then click < Finish > to fully end up the Installation process.

stallShield Wizard	
Select Program Folder Please select a program folder.	
Setup will add program icons to the Pri name, or select one from the existing fo	ogram Folder listed below. You may type a new folder olders list. Click Next to continue.
Program Folders:	
Watch Dog Timer	
Existing Folders:	
CLE SP Trial Version CloneCD Codec Pack Corel Graphics Suite 11 Corel Painter 8 CyberLink StreamAuthor 2.6 Digital Element DixX dMailer	 
taliShield	< <u>B</u> ack. <u>N</u> ext > Cancel

### (Illustration6)

stallShield Wizard				×
Start Copying Files Review settings before copying f	ïles.			
Setup has enough information to change any settings, click Back. copying files.	start copying the If you are satisf	e program files. iied with the sel	If you want to rev itings, click Next t	view or o begin
Current Settings:				
4				×
stallShield				
		< <u>B</u> ack	<u>N</u> ext>	Cancel

(Illustration7)

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#### (Illustration8)

## **IV. Operation Explanation**

A. Please execute AAEON WATCHDOG based on the location where you install.



## B. Initiation Operation Image as this:

http://www.weich.com/weich	×
<u>W</u> atchDog <u>A</u> ction <u>H</u> ide H <u>e</u> lp	
Counter Reset / Sec 240	Action RESET NMI IRQ 10 IRQ 11 IRQ 15
Watch Dog Timer start at 2003/12/9 PM 05:12:2 Set the Action in RESET mode. Watch Dog Timer start at 2003/12/9 PM 05:15:3 Watch Dog Timer stop at 2003/12/9 PM 05:15:3 10 seconds for Watch Dog Timer counting. 240 seconds for Watch Dog Timer counting. Watch Dog Timer start at 2003/12/9 PM 05:15:3 Set the Action in NMI mode. Set the Action in RESET mode. Watch Dog Timer start at 2003/12/9 PM 05:15:4	23. 30. 31. 37. 44. ▼

C. Button Function Instruction :



I. Switch on watchdog function



II. Stop watchdog function



III. Hide watchdog software in the system bar



IV. Exit watchdog program



V. About this program

D. You can set up the interval time to let watchdog function monitor your system. There are different interval time options such as 10 sec / 20 sec / 30 sec / 60 sec / 120 sec / 180 sec / 240 sec.

10	Counter	Reset / Sec-
	10	

- E. You can follow procedure to let your computer restart once the operation system appears no response. There are several alternatives such as
- 1. Restart
- 2. Emit NMI signal
- 3. IRQ 10
- 4. IRQ 11
- 5. IRQ 15



F. You can have a better understanding of every action executed by watchdog software in the message column.



## V. Command Line

The program supports command line mode for watchdog active/inactive. We also can use load program with some parameters.

### **Command:**

Watchdog.exe [/A0|A1] [/S1-S7] [/F1-F5] [/M0|M1]

See	as	fol	lows:
see	as	101	iows.

/S1 toS7 Port 443 value S1=10   S2=20   S3=30   S4=60 S5=120   S6=180   S7=240 /F1~F5 Action F1=Reset   F2=NMI   F3=IRQ   F4=IRQ 11   F5=IRQ 15 /M0,/M1 Start program	/A0,/A1	Inactive / Active
S5=120   S6=180   S7=240   /F1~F5 Action   F1=Reset   F2=NMI   F3=IRQ     F4=IRQ 11   F5=IRQ 15   /M0,/M1 Start program	/S1 toS7	Port 443 value S1=10   S2=20   S3=30   S4=60
/M0,/M1 / F4=IRQ 11   F5=IRQ 15	/F1~F5	S5=120   S6=180   S7=240 Action F1=Reset   F2=NMI   F3=IRO 10
With Minimize / Without Minimi	/M0,/M1	F4=IRQ 11   F5=IRQ 15 Start program With Minimize / Without Minimize

Example :

Watchdog.exe /a1 /s7 /f1 /m1

Watchdog.exe /M0 /F2

Watchdog.exe /s3 /f4

If the user doesn't add any parameters, the program will run with "/a0 /s1 /f1 /m1" automaticly.

You also can put the parameter to the start menu. See as follows:



AAEON Software Watchdog Timer

itch Dog Time	Properties			?
eneral Shortco	it			
<b>)</b> w	atch Dog Timer			
Target type:	Application			
Target location:	Watch Dog Timer			
Target:	tch Dog Timer\W	atchDog.exe"	/m0 /a1 /f•	4 /s5
Start in:				
Shortcut key:	None			
Run:	Normal window			-
Comment:				0
	Find	Target	Change Io	:on
	ОК	Cancel	1	0 ppk

You can start it with the parameters that you want.