Panel Computer & HMI

IB32/ IB70/ IBWW

IH70/ IH32/ IHWW

IV32/ IV70

This Quick Reference Guide explains where to download and how to enable Watchdog Utility on Winmate Panel PC & HMI.

If OS has been reinstalled, it is also required to download and install Watchdog Driver.

Watchdog Utility Reference Guide

Please read this instructions carefully before using this product, and save this manual for future use.

Introduction

This Quick Reference Guide explains where to download and how to enable Watchdog Utility on Winmate Panel PC & HMI. If OS has been reinstalled, it is also required to download and install Watchdog Driver.

Quick Steps to enable Watchdog Utility on your computer:

- Install Watchdog Utility on your computer.
- Open Watchdog Utility and enable Watchdog.

NOTE

- Watchdog Utility is burned-in to your OS image.
- If you cannot find Watchdog Utility, please download Winmate Watchdog Utility & Driver from Winmate Download Center or Winmate File Share.

If the operating system of your computer has been reinstalled, it is required to download and install Watchdog driver to enable Watchdog.

- Install Watchdog Driver
  a. Uninstall the old WMWDG driver
  b. Install a new version of WMWDG driver

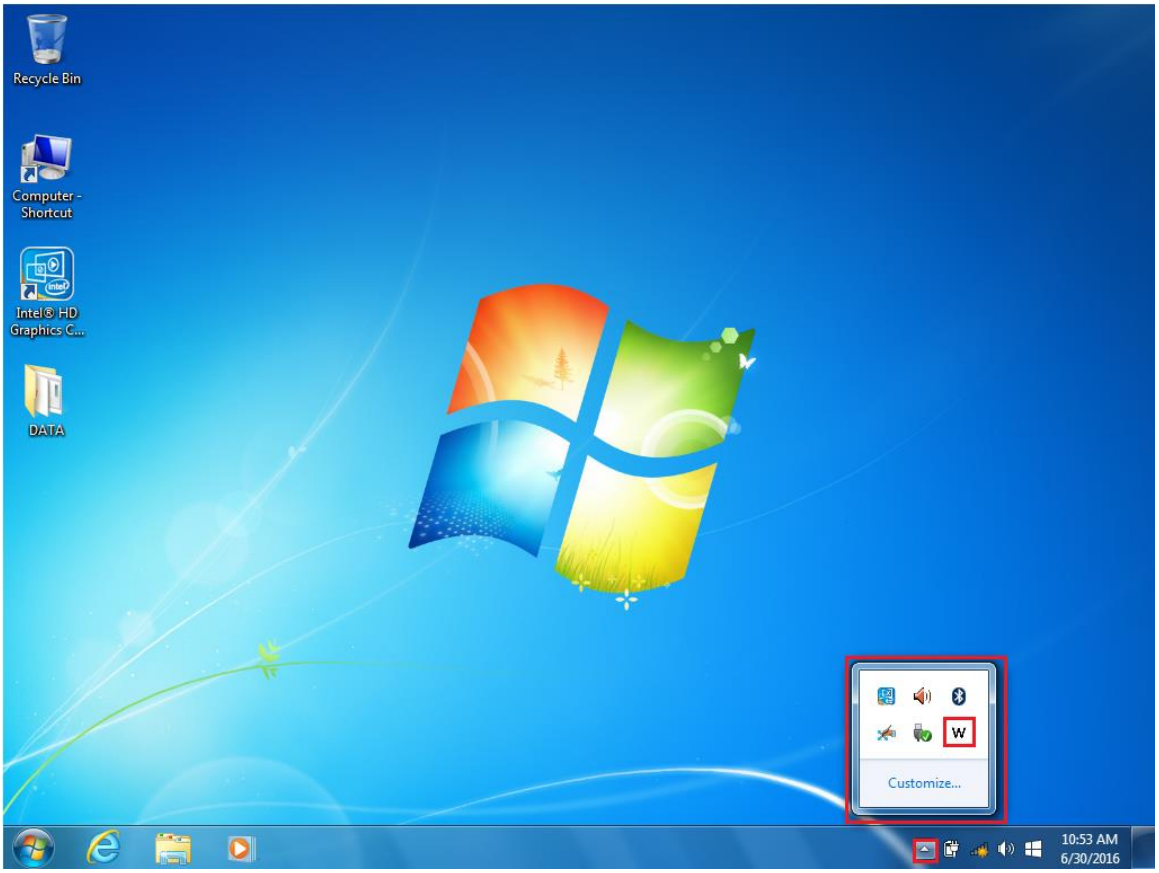
Winmate Watchdog utility and driver

Motherboard	Utility	Driver
IB32/ IB70/ IBWW/ IH70/ IH32/ IHWW/ IV32/ IV70	WatchDog_AP V2.0.2	Driver V2.0.0.2

How to Enable Watchdog in Windows OS

To enable Watchdog, first you need to download and install Winmate Watchdog Utility and then restart the system.

1. On the right bottom side of the desktop screen, click **triangle button** to show hidden icons.
2. Click W icon to open Watchdog utility.



3. In Watchdog utility window set countdown time and periodically feed time, or disable watchdog.

**Default setting*

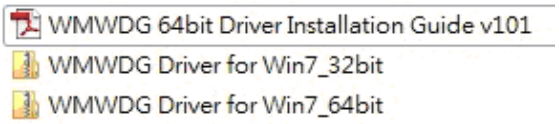
Watchdog: Enable
Watchdog countdown time: 10 min
Periodically feed time: 9min

Watchdog Driver Installation

After the operating system on your computer has been reinstalled, you need to install Watchdog driver first to enable Watchdog function.

Installation Files

Please select the driver for the corresponding operating system.



Win7_32bit	**Windows 7/8 x86 Edition**
Win7_64bit	**Windows 7/8 x64 Edition**

Each directory contains the following files.

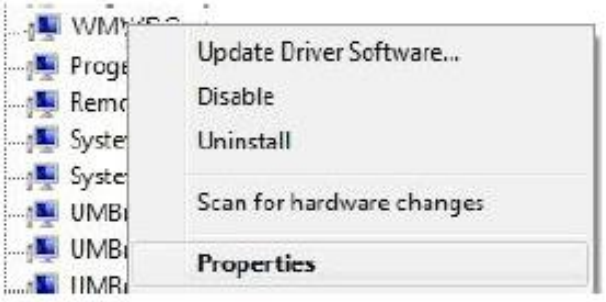
File	Description
Devcon.exe	Driver Application
Install.bat	Driver Installation File
Wmwdg.cat	Digital Signature File
Wmwdg.inf	Driver information file
Wmwdg.sys	WMWDG Driver

Driver Installation Procedure

I Uninstall the old version

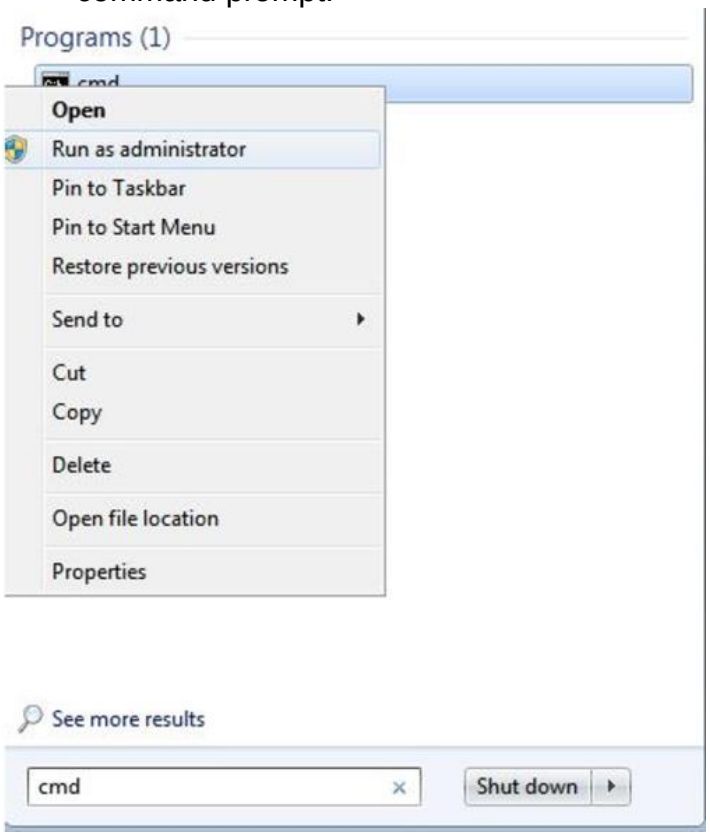
Before you start installing the new signature WMWDG driver, please uninstall the old WMWDG driver in Windows's Device Manager.

Select **"WMWDG"** under System devices and right-click it. Use **Uninstall** selection to remove the driver.

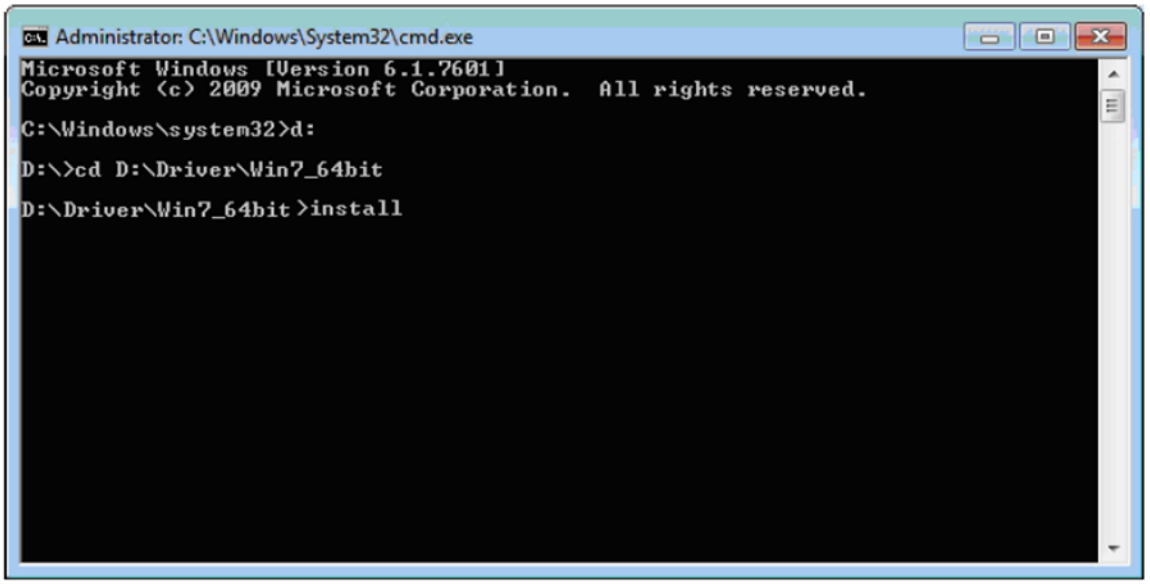


II Install the driver

i. Type "**cmd**" in the run box.
ii. The cmd.exe will appear in Programs
iii. Right click on the cmd.exe and click on "Run as administrator" to start command prompt.



iv. Change directory to driver's location, and type **install** to install the driver.



v. When Windows Security dialog appears, select i**nstall** to continue the installation.

When the driver is successfully installed, you can see “Drivers Updated successfully” message in the dos prompt.

And “WMWDG” device also added in the Device Manger under “System devices”.

System devices
ACPI Fan
ACPI Fixed Feature Button
ACPI Sleep Button
ACPI Thermal Zone
Composite Bus Enumerator
Direct memory access controller
High Definition Audio Controller
Intel(R) 82801 PCI Bridge - 2448
Intel(R) 82802 Firmware Hub Device
Intel(R) 82802 Firmware Hub Device
Intel(R) Atom(TM) Processor D2xxx/N2xxx PCI Host Bridge #2 - 0BF1
Intel(R) N10/ICH7 Family PCI Express Root Port - 27D0
Intel(R) N10/ICH7 Family PCI Express Root Port - 27D4
Intel(R) N10/ICH7 Family SMBus Controller - 27DA
Intel(R) NM10 Family LPC Interface Controller - 27BC
Microsoft ACPI-Compliant Embedded Controller
Microsoft ACPI-Compliant System
Microsoft System Management BIOS Driver
Microsoft Virtual Drive Enumerator Driver
Numeric data processor
PCI bus
Plug and Play Software Device Enumerator
WMWDG
Programmable interrupt controller
Remote Desktop Device Redirector Bus
System CMOS/real time clock
System timer
UMBus Enumerator
UMBus Enumerator
UMBus Root Bus Enumerator

Where to Download Watchdog Utility

To find the Drivers and SDK, please refer to the Driver CD that comes in the package or contact us. Also, you can download drivers from Winmate Download Center or Winmate File Share.

Winmate Download Center

Go to http://www.winmate.com/ > Support > Download Center

Or follow the link:
http://www.winmate.com/DownCenter/DownLoadCenterIndex.asp

Winmate File Share

Go to http://www.winmate.com/ > Support > File Share > Public Documents >Panel PC
Or follow the link: http://www.winmate.com/FileShare.htm

NOTE

Follow your computer's CPU model to find all necessary drivers, SDK and utilities.