

# **The Intel® Processor Diagnostic Tool Release Notes**

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TABLE OF CONTENTS

1 Purpose of Intel® Processor Diagnostic Tool .....4

2 Package Contents.....4

3 IPDT Test System Requirements .....5

4 Software Required .....7

5 Release Notes .....8

## **1 Purpose of Intel® Processor Diagnostic Tool**

The purpose of the Intel® Processor Diagnostic Tool is to verify the functionality of an Intel® microprocessor. The diagnostic checks for brand identification, verifies the processor operating frequency, tests specific processor features and performs a stress test on the processor.

The diagnostic can be configured to execute in one of two modes, presence test mode or verification mode. Additionally, it can be configured to enable (run) or disable (skip) individual default configurations are used for this mode of operation.

## **2 Package Contents**

The following files are included in this release.

IPDT Installer 1.20.0.1.exe

IPDT Release Notes

The Intel® Processor Diagnostic Tool - Windows® User Guide

Read Me First Document

## 3 IPDT Test System Requirements

### **Multiprocessor Systems**

The Intel® Processor Diagnostic Tool is compatible with multiprocessor systems. It is essential that only one Intel® processor is tested at a time in this system configuration. Intel® Processor Diagnostic Tool does not support multiple processors inserted into a multiprocessor system configuration.

### **Motherboard & Processor**

It is essential that the motherboard you use to test your processor is fully compatible with your Intel® processor. Consult your motherboard manufacturer's support to ensure the motherboard supports your processor. If you are using an Intel® Motherboard please use this utility [Intel® Processors and Boards Compatibility Tool](#)

### **Motherboard BIOS**

It is essential that the motherboards BIOS is at the minimum BIOS revision specified to support your Intel® processor. Consult your motherboard manufacturer's support to ensure the BIOS revision is at the correct revision.

### **Motherboard Architecture**

IPDT is only compatible with motherboards built using Intel® 32-bit Architecture.

### **Over-Clocking**

Over-Clocking should be disabled while running Intel® Processor Diagnostic Tool.

## Power Management

Some power management features (e.g. [Intel SpeedStep® technology](#)) throttle or reduce the operating frequency of components within the system. These types of power management features may result in very low tested frequency results. This does not mean that the processor is operating at degraded performance levels. It means that the enabled power management feature is optimizing the efficiency of the processor, either to save power or reduce heat within the system.

We recommend you disable any power management features such as Intel SpeedStep® technology and configure your system to its optimal power management settings, when running Intel® Processor Diagnostic Tool. For instructions on how to disable these power management features, please contact your system manufacturer.

## Operating Systems

The Windows® version of the Intel® Processor Diagnostic Tool is compatible with the following operating systems:

- Windows 7® 32 Bit
- Windows Vista® 32 Bit
- Windows XP® Home/Professional 32 Bit
- Windows 2000® Professional/Server/Advanced Server 32 Bit
- Windows Server 2008® 32 Bit
- Windows Server 2003® Standard/Enterprise 32 Bit

## 4 Software Required

The following software is required to run IPDT in the Windows® environment and must be installed prior to installing IPDT

- Microsoft® Visual C++ 2008 Runtime Libraries. Click [here](#) to download or copy the following URL into the browser

<http://www.microsoft.com/downloads/details.aspx?FamilyID=9b2da534-3e03-4391-8a4d-074b9f2bc1bf&displaylang=en>

- Windows® Installer 3.1 Redistributable (v2). Click [here](#) to download or copy the following URL into the browser

<http://www.microsoft.com/downloads/details.aspx?familyid=889482fc-5f56-4a38-b838-de776fd4138c&displaylang=en>

- Microsoft® .NET Framework Version 2.0 Redistributable Package (x86). Click [here](#) to download or copy the following URL into the browser

<http://www.microsoft.com/downloads/details.aspx?FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en>

## 5 Release Notes

Reference			
No.	Date	Version	Description
475	4/23/2010	1.20.1.0	Initial Production Release.

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