



# HP Consumer Notebook EEPROM Utility Introduction & Instructions

## Introduction to the HP EEPROM utility for service

EEPROM utilities (also called DMI or Tattoo utilities) are used in service to program product information and set configuration options on the replacement motherboard.

It is crucial for system functionality that these options are configured correctly and match the factory settings of customer's original motherboard. If the configuration is incorrect the system may not successfully be able to reload an image and/or the customer may not have the same functions/features/applications as before motherboard replacement. Incorrect product information and settings may also affect customer's ability to recover their system using the customer created recovery media or their option to be automatically guided through the hp.com web site to get appropriate support documentations/solutions

This combined EEPROM tool is compatible with all new projects released in 2c08 and onwards, but is not backwards compatible with previous product releases (they will still need to be programmed using the older individual EEPROM tools).

Updated EEPROM utilities release each cycle to include new product releases and/or new product features needing EEPROM configuration. Repair partners should check their sources for updated tools at least every cycle.

These utilities are the proprietary information of the Hewlett-Packard Company (HP) and its suppliers. Use of these utilities are subject to HP's standard confidential disclosure agreement and should be treated as "HP Confidential".

Refer to the **HP Notebook DMI Utility Process Overview** document for a list of the applicable HP Consumer Notebook model series cover under this process.

The HP DMI utility files and the batch file covered under this process are contained in the **HP V10B DMI Utility** zip file.

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## Introduction of new features

Several new features to facilitate easier motherboard configuration has been implemented.

- Product Configuration ID (PCID) designed to ease the process of correctly configuring replacement motherboard with the factory configuration from original board
  - PCID is available in the bios, in New Traceability database and on the new PCID label on the system (located in the battery bay)
  - PCID implementation is backwards compatible with products that released in 2c08 and 3c08 (need bios upgrade to have PCID available in bios).
- New Platform Revision
- New System Revision
- New split Menu interface in the EEPROM tool

In 1.5c09 the below new features were added

- New option to configure ODD (external/internal)
- HP Mini products implemented PCID

### ***PCID (Product Configuration ID)***

The PCID is a string representation of the configuration settings on the motherboard. The service technicians no longer need to configure the individual settings if the PCID is available. They can just type (or scan, a label with barcode will be available) the PCID into the EEPROM tool and all the configuration settings are automatically set.

PCID has a max length of 25 digits, but may be shorter (1c09 cycle is 17 digits).

Example of PCID: 01110000150E10001

It is recommended to always use the PCID for programming the configuration settings if the PCID is available.

### ***Where to find the PCID***

#### **On the PCID label in the battery bay**

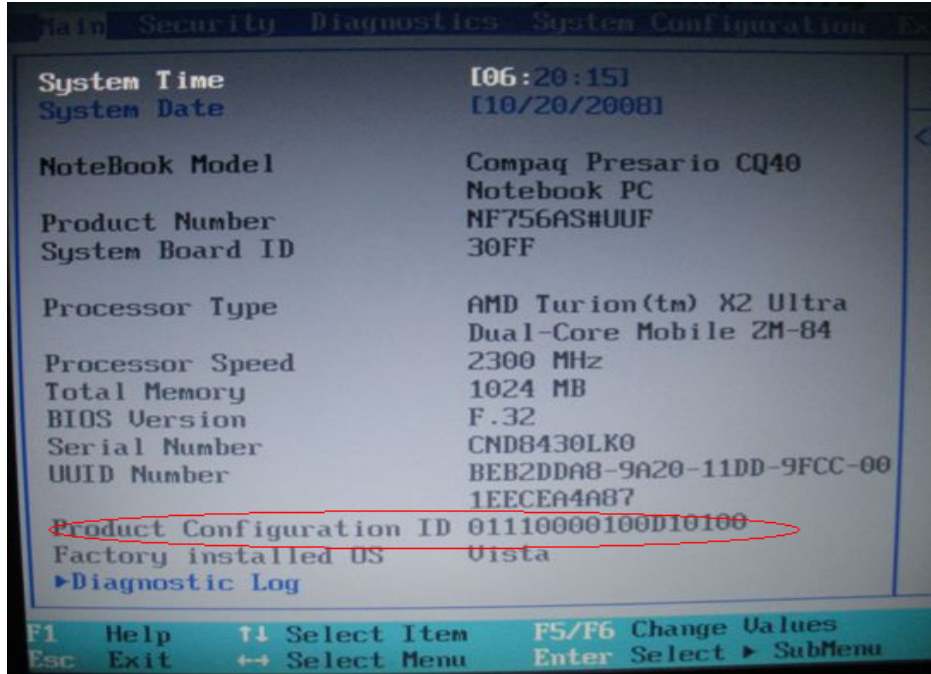
Available on 1c09 projects and all future products, but also available on 2c08/3c08 projects that may still be manufactured



Note! Due to space limitations in the battery bay the dv2 (Rev 3054 -xxx and 3055-xxx) has the PCID label placed on the inside of the HDD door

## In system bios (F10 during boot)

Available on 1c09 and all future products. Also available on 2c08/3c08 projects that may still be manufactured. Previously shipped 2c08 and 3c08 projects will display the PCID in bios as well if the bios is updated. (See matrix below for more information on bios updates)



## Bios for backwards compatibility of PCID on 2c08/3c08 projects

The bios revisions listed below (or later revision) will implement the display of PCID in bios on these projects

System Board ID	Model information	Release Cycle	Bios rev adding PCID support	Softpaq#
3612 (UMA) or 3617 (Discrete)	Presario CQ60, HP G60	3c08	F.31	SP41810
3607	Presario CQ40	2c08	F.22	SP41806
30F7 (UMA) or 30F8 (Discrete)	HP Pavilion dv4, Presario CQ45	2c08	F.22	SP41806
360B	Presario CQ50, HP G50	2c08	F.31	SP41810
30F2 (UMA) or 3600 (Discrete)	HP Pavilion dv5	2c08	F.20	SP41911
1505	HP Pavilion dv3500	3c08	F.10	SP41809
361B (Discrete) or 361E (UMA)	HP HDX 16	3c08	F.12	SP42045
3602 (UMA) or 3603 (Discrete)	HP Pavilion dv5	2c08	F.11	SP41812
3610	HP HDX 18	3c08	F.12	SP42045
360A	Presario CQ50, HP G50	2c08	F.31	SP41811
30FB	HP Pavilion dv4, Presario CQ45	2c08	F.33	SP41823
30FE (UMA) or 30FF (Discrete)	Presario CQ40	2c08	F.33	SP41823
360C	Presario CQ70, HP G70	2c08	F.31	SP41810
30F1	HP Pavilion tx2500	2c08	F.09	SP41615
30FC (UMA) or 30FD (Discrete)	HP Pavilion dv7	2c08	F.33	SP41808
30F3 (UMA) or 30F4 (Discrete)	HP Pavilion dv7	2c08	F.21	SP41805
303C	Presario CQ60, HP G60	3c08	F.31	SP41811

## In New Traceability database

Available on 1c09 projects and all future products, but also available on 2c08/3c08 projects that may still be manufactured

External New Traceability link: <https://ext.pctrack3.hp.com/UI/Common/Login.aspx>

User Name: ccagent

Password: ccagent.

Actual Components in Product Unit					
Part Number	Part Description	Part Category	Component Serial Number	Bom Level	Part Qty
NH267AS#ABA	Sku Desc Not Available	-N/A-	-N/A-	0	1
1921030M46	Sku Desc Not Available	-N/A-	PAKAR004MWNLWC	2	1
458381-001	Sku Desc Not Available	-N/A-	002100701CBF	2	1
462890-141	Batt,EV06047, ROHS,SIM/SDI	-N/A-	6ACFT03BJWLG7	2	1
463552-002	P/S, 65W ADPTR, 3P/RC Hipro	-N/A-	WACLP0BHHWMP80	2	1
480600-001	250GB, 5400 rpm, 2.5 SATA	-N/A-	2AETB0A34WNF0E	2	1
490097-7D1	Sku Desc Not Available	-N/A-	CAHAH01K6WJR7P	2	1
497762-BR1	Sku Desc Not Available	-N/A-	RALWP8KA2WPD8M	2	1
502321-ABC	Sku Desc Not Available	-N/A-	7ALME032NWLTVF	2	1
554AT01061G	Sku Desc Not Available	-N/A-	PALPD3B2FWP01H	2	1
9JN0Y82A01	Sku Desc Not Available	-N/A-	BAKHL3AM2WMCFH	2	1
MAC_ADDR1	Sku Desc Not Available	-N/A-	001F164A5F9B	2	1
MAC_ADDR2	Sku Desc Not Available	-N/A-	002100701CBF	2	1
MANUF_DATE	Sku Desc Not Available	-N/A-	20081024	2	1
PCID	PRODUCT CONFIGURATION ID	-N/A-	01110000100D10000	2	1
UUID_HALF1	Sku Desc Not Available	-N/A-	8BE92400A23011DD	2	1
UUID_HALF2	Sku Desc Not Available	-N/A-	9237CE10ABFEFC95	2	1

## System Revision and Platform Revision

The Platform Revision is a new option used to distinguish platforms released in different cycles that may have different motherboard configurations. The Platform Revision is part of the PCID (the 3<sup>rd</sup> to 5<sup>th</sup> digit in the PCID).

The System Revision is made up of the Motherboard ID and the Platform Revision. Together they can distinguish a specific system from a specific cycle even if they are from the same family of products

Example:

30FC-100 is the HP Pavilion dv7 with AMD CPU from 2c08/3c08 cycle

30F3-100 is the HP Pavilion dv7 with Intel CPU from 2c08/3c08 cycle

30F3-110 is the HP Pavilion dv7 with Intel CPU from 1c09 cycle

(30FC and 30F3 are Motherboard ID's, 100 and 110 are platform revisions)

This information can be useful when determining how to program specific configuration settings. It is used in the table in appendix B to distinguish the systems that have the new MediaSmart implementation from the ones that have the QuickPlay implementations

## Where to find the System Revision and Platform Revision

The System Revision and Platform Revision can be found on the PCID label in the battery bay.



In the above example 305A-10A is the System Revision and 10A is the Platform Revision

## Menu split in Basic and Advanced sections

<pre>***** HP CONFIDENTIAL ***** ===== EEPROM Utility Version X.x.x ===== 2009 (c) ODM company name, 2009 (c) Hewlett-Packard Dev. Co., L.P. These tools are proprietary property. Unauthorized use or distribution is prohibited.  Basic Menu  &lt;0&gt; Serial Number &lt;1&gt; Notebook Model &lt;2&gt; GUID Number &lt;3&gt; UUID Number &lt;4&gt; SKU Number &lt;5&gt; CTO Localization Code &lt;6&gt; MAC Address &lt;7&gt; PCID  &lt;A&gt; Advance Menu &lt;R&gt; Read Product Information &lt;S&gt; Save EEPROM to file &lt;W&gt; Program EEPROM from file &lt;ESC&gt; Exit the program  Please Enter Your Choice:</pre>	<pre>***** HP CONFIDENTIAL ***** ===== EEPROM Utility Version X.x.x ===== 2009 (c) ODM company name, 2009 (c) Hewlett-Packard Dev. Co., L.P. These tools are proprietary property. Unauthorized use or distribution is prohibited.  Advance Menu  &lt;0&gt; Keyboard Type &lt;1&gt; Channel ID Image Configuration &lt;2&gt; OS SKU &lt;3&gt; QuickPlay Mode &lt;4&gt; Wallpaper &lt;5&gt; Data Burning SW Version &lt;6&gt; WWAN preferred Carrier for UNDP &lt;7&gt; WWAN Internal Antenna Configuration &lt;8&gt; GPS Capable Antenna Configuration &lt;9&gt; MediaSmart Edition Configuration &lt;A&gt; Platform Revision &lt;B&gt; ODD Configuration  &lt;ESC&gt; Back to Basic Menu  Please Enter Your Choice:</pre>
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With the implementation of the PCID the menu of the service tool options is now split in a Basic and an Advanced Menu.

The Basic Menu covers the options that **MUST be programmed** on every system when a motherboard has been replaced.

Some of the options (GUID, UUID and MAC) are typically already programmed from the factory (since they are board specific) but in certain circumstances they may require programming.

Using option 7 (EEPROM DMI String) in the Basic Menu and entering the PCID will automatically configure all options covered in the Advanced menu section. In this case there is no need to use the Advanced Menu section for further configuration of these individual options.

If the PCID is not available then repair technician **MUST program** both the Basic and the Advanced menu options (except option 7 on the Basic Menu) to ensure correct functionality

See the EEPROM tool Menu Options section for further details on the various options

## Using the EEPROM tool

The menu options available depend on the product the utility is running on. Options covered in this document may or may not show in the menu (be applicable) when you run the utility on any given system.

To execute the new V10B EEPROM tool unzip it and execute the batch file to start the utility.

# EEPROM tool menu options

<pre> ***** HP CONFIDENTIAL ***** ===== EEPROM Utility Version X.x.x ===== 2009 (c) ODM company name, 2009 (c) Hewlett-Packard Dev. Co., L.P. These tools are proprietary property. Unauthorized use or distribution is prohibited.  Basic Menu  &lt;0&gt; Serial Number &lt;1&gt; Notebook Model &lt;2&gt; GUID Number &lt;3&gt; UUID Number &lt;4&gt; SKU Number &lt;5&gt; CTO Localization Code &lt;6&gt; MAC Address &lt;7&gt; PCID  &lt;A&gt; Advance Menu &lt;R&gt; Read Product Information &lt;S&gt; Save EEPROM to file &lt;W&gt; Program EEPROM from file &lt;ESC&gt; Exit the program  Please Enter Your Choice: </pre>	<pre> ***** HP CONFIDENTIAL ***** ===== EEPROM Utility Version X.x.x ===== 2009 (c) ODM company name, 2009 (c) Hewlett-Packard Dev. Co., L.P. These tools are proprietary property. Unauthorized use or distribution is prohibited.  Advance Menu  &lt;0&gt; Keyboard Type &lt;1&gt; Channel ID Image Configuration &lt;2&gt; OS SKU &lt;3&gt; QuickPlay Mode &lt;4&gt; Wallpaper &lt;5&gt; Data Burning SW Version &lt;6&gt; WWAN preferred Carrier for UNDP &lt;7&gt; WWAN Internal Antenna Configuration &lt;8&gt; GPS Capable Antenna Configuration &lt;9&gt; MediaSmart Edition Configuration &lt;A&gt; Platform Revision &lt;B&gt; ODD Configuration  &lt;ESC&gt; Back to Basic Menu  Please Enter Your Choice: </pre>
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<p>Basic Menu Option 0 – Serial Number</p>	<p>Option used to read/write serial number from/to EEPROM.</p> <p>Serial number must be programmed into new motherboard whenever a motherboard replacement occurs.</p> <p>Serial number to use can be found on the Service Tag on bottom of customer unit or by reading DMI information on original board</p> <p>See appendix A to learn about information found on the Service Tag</p>
<p>Basic Menu Option 1 – Notebook Model</p>	<p>Option to read/write model information from/to EEPROM</p> <p>Notebook Model information must be programmed into new motherboard whenever a motherboard replacement occurs</p> <p>Notebook Model information to use can be found on the Service Tag on bottom of customer unit or by reading DMI information on original board</p> <p>Model information must follow below format:</p> <p><b>Brand Name + space + Series Number + space + Notebook PC</b></p> <p>Examples Mainstream:</p> <p>HP Pavilion dv5 Notebook PC          Compaq Presario CQ45 Notebook PC          HP G50 Notebook PC          HP Pavilion HDX9000 Notebook PC</p> <p>Examples Netbook (Note that Netbook does not follow above format):</p> <p>HP Mini          HP Mini China Mobile Edition</p> <p>See appendix A to learn about information found on the Service Tag</p>



<p>Basic Menu Option 2 – GUID Number</p>	<p>Option to read/write GUID (GUID = 1394 MAC address) from/to EEPROM</p> <p>If the motherboard does not have a 1394 port then this option is not going to show in the list of menu options</p> <p><b>This field is programmed from the factory on motherboards used in service and should not need to be altered.</b></p> <p>If the motherboard does have 1394, but GUID is missing then program this field with the information from the 1394 sticker on motherboard</p> 
<p>Basic Menu Option 3 – UUID Number</p>	<p>The UUID is a globally unique identifier which is programmed in factory using special tool.</p> <p>This field should be programmed from the factory on motherboards used in service but if the field is blank then a new UUID can be generated using this option.</p>
<p>Basic Menu Option 4 – SKU Number</p>	<p>Option to set SKU number (Product number)</p> <p>Notebook SKU information must be programmed into new motherboard whenever a motherboard replacement occurs</p> <p>Notebook SKU information <b>must</b> be programmed exactly as on original board otherwise the recovery media the customer created will not work.</p> <p>Notebook SKU information to use can be found on the Service Tag on bottom of customer unit (p/n) or by reading EEPROM information on original board</p> <p>Note that CTO would not program location code in this field so CTO and BTO have different information.</p> <p>Example: BTO: GT461EA#ACB CTO: RL675AV</p> <p>See appendix A to learn about information found on the Service Tag</p>
<p>Basic Menu Option 5 – CTO localization code</p>	<p>Option to set the Localization code.</p> <p>It is only used to add the localization code on CTO systems</p> <p>Example: ABJ, ABA</p>
<p>Basic Menu Option 6 – MAC address</p>	<p>Option to set the MAC address of the LAN card embedded on the motherboard</p> <p>The MAC address must be unique for each motherboard. It is normally configured at factory and should not need to be altered.</p> <p>This option will only be displayed when the LAN card on the motherboard does not have internal EEPROM and needs to store the MAC address in system EEPROM</p> <p>If the MAC is missing, a sticker on the motherboard should provide the MAC address of the board</p> 
<p>Basic Menu Option 7 – PCID (EEPROM DMI String)</p>	<p>This option does not access the MAC address for the wireless LAN</p> <p>This option configures <b>all</b> the Advanced Menu options automatically using the PCID (Product Configuration ID).</p>

	There is no need to configure the individual options in the Advanced Menu in this case.
Basic Menu Option A – Advanced Menu	This options brings up the menu of advanced configuration options
Basic Menu Option R – Read Product information	Will display current content of some of the DMI fields programmable by the EEPROM tool  Notebook Model, SKU Number, CTO Localization Code, Serial Number, GUID, UUID OS SKU
Basic Menu Option S – Save EEPROM to file	Saves all EEPROM values into the file eeprom.dat  The eeprom.dat file will be stored in current working directory and can be applied to a system using menu option W
Basic Menu Option W – Program EEPROM from file	Loads the values from eeprom.dat file created by menu option S into EEPROM
Advanced Menu Option 0 – Keyboard Type	Option to set (or read current setting for) keyboard layout for certain countries  0 = Non Japanese KB (US /UK/Brazil, 86/87/88 keys) (Default) 1 = Japanese KB
Advanced Menu Option 1 – Channel ID image configuration	Option to set (or read current setting for) Channel ID image configuration.  This option is used to identify systems with special image created for specific vendor only  00 = Generic BTO/CTO (Default) 01 = HP CTO 02 = BBY 03 = Wal-Mart 04= MTV/Youth Special Edition 05=Carphone Warehouse (UK) 06=Telecom Italia Mobil (Italy) 07=Telefonica (Spain(LA/Brazil)) 08=Vodafone (Pan European) 09=Orange (France, UK, Spain, NL, BG) 0A=BBY photo  See Appendix B for more information regarding programming Channel ID
Advanced Menu Option 2 – OS SKU	Option to set (or read current setting for) SLP  0 = Machine shipped with non-Vista OS 1 = Machine shipped with Vista OS  The original OS system shipped with (XP (or other OS) vs. Vista ) can be determined by checking for the Microsoft Vista COA sticker on bottom of unit  This setting MUST be correctly set according to original OS shipped or customer will get OS activation issues.
Advanced Menu Option 3 – QuickPlay Mode	Option to set (or read current setting for) QuickPlay or MediaSmart  0 = Install DVDP 3 = Install DVDP and QP4W 4 = MediaSmart without Instant On 5 = MediaSmart with Instant On  If the value is 4 or 5, it is necessary to set Option 9, MediaSmart Edition Configuration. MediaSmart is supported from 3C08 platforms.  See appendix B for details on what systems have which QP/DVDP/MediaSmart solution.
Advanced Menu Option 4 – Wallpaper	Option to set Wallpaper (HP wallpaper is designed to match ID for a product)  00 = Default 01 = Wave (Pavilion IMR1) 02 = Digicode (Presario IMR1) 03 = OTC (OrderToChaos) 04 = Radiance (Pavilion IMR2) 05 = Trace (Presario IMR2) 06 = Organic 07 = Dragon (HDX 9000) 08 = Sputnik 1.2 09 = Sprout (SE#5) 0A = Youth Edition (MTV) 0B= Grid (Diablo 1.0) 0C=2C08 PA Corlab Wallpapers

	<p>0D=2C08 PR Corlab Wallpapers  0E=3C08 PA Bronze  0F=Titanium (HDX)  10=BBYSE  11=CCYSE</p> <p>See appendix B for details on wallpaper settings</p>
Advanced Menu Option 5 – Data Burning SW Version	<p>Option to set (or read current setting for) SW burning application</p> <p>0 = Free Version (Essential)  1 = Main Stream version (Deluxe)  2 = High-End version (Premium)</p> <p>Essential – systems with combo ODD (CD-RW/DVD)  Deluxe – systems with ODD supporting DVD writing  Premium – systems with HD DVD or BD (BlueRay) ODD</p> <p>See appendix B for details on what systems have which SW burning solution</p>
Advanced Menu Option 6 – WWAN preferred Carrier for UNDP	<p>Option to configure the WWAN preferred Carrier for UNDP</p> <p>0 = No Carrier Preference (Default)  1 = Carrier/Carrier Group 1 (Verizon)  2 = Carrier/Carrier Group 2 (AT&amp;T)  3 = Carrier/Carrier Group 3 (Sprint)  4 = Carrier/Carrier Group 4 (Verizon, Sprint and AT&amp;T)</p> <p>This feature is introduced on systems releasing in 1c09 cycle</p>
Advanced Menu Option 7 – WWAN Internal Antenna Configuration	<p>Option to indicate the platform has WWAN capable antenna.</p> <p>0 = WWAN internal antenna does not exist on the platform  1 = WWAN internal antenna is on the platform</p>
Advanced Menu Option 8 – GPS Capable Antenna Configuration	<p>Option to indicate the platform has GPS capable antenna.</p> <p>0 = GPS capable antenna does not exist on the platform  1 = GPS capable antenna is on the platform</p>
Advanced Menu Option 9 – MediaSmart Edition Configuration	<p>Option to set the MediaSmart Edition Configuration</p> <p>0 = MediaSmart  1 = MediaSmart Premium  2 = MediaSmart Life</p> <p>Note: MediaSmart is supported from 3C08 platforms. This option is required to be configured when QuickPlay Mode (Advanced Menu Option 3) is set to 4 or 5. If QuickPlay Mode is set to 0 or 3, the MediaSmart Edition configuration is ignored.</p> <p>See appendix B for details on MediaSmart configuration</p>
Advanced Menu Option A- Platform Revision	<p>Option to set the platform revision.</p> <p>Platform revision is required to distinguish systems released in different cycles because they may have features configured differently.</p> <p>This option is introduced with 1c09 projects. It is recommended that 1c09 projects and onwards use the PCID to program the advanced options automatically.</p>
Advanced Menu Option B – ODD Configuration	<p>It is to set ODD configuration for MediaSmart Installer to know which version needs to be installed into the system.</p> <p>0 – System with Internal ODD (DVD/BD)  1 – System bundled with external LightScribe DVD  2 – System bundled with externalLightScribe BD  3 – System without ODD  4 – System bundled with external non-LightScribe DVD  5 – System bundled with external non-LightScribe BD</p>

# Appendices

## Appendix A – How to use Service Tag information



### Programming Model information:

To program Model information use the **Product:** information and follow the Model format below

**Brand Name + space + Series Number + Notebook PC**

**Programming Serial Number:** Use the **s/n:** information to program this field

**Programming SKU information:** Use the **p/n:** information to program this field

## Appendix B – Setting QuickPlay/MediaSmart/SW Burning/Wallpaper/Channel ID flags

**Note!** These are only general guidelines to assist in motherboard configuration. Some specials may not follow these general guidelines. If the PCID is available then it should be used for automatic configuration of these options instead of manually configuring these individual options through the Advanced Menu.

System Revision	CPU	Projects	QuickPlay	MediaSmart	SW Burning	Wallpaper	Channel ID	
361B-xxx or 361E-xxx	Intel	HP HDX 16	Set to 4	Set to 1	Set to 2	Set to 0F	Set to 00	
3610-xxx	Intel	HP HDX 18	Set to 4	Set to 1	Set to 2	Set to 0F	Set to 00	
30F1-xxx	AMD	HP Pavilion tx2500	Set to 3	Set to 0	Match ODD	Set to 08	Set to 00	
3045-xxx	AMD	HP Pavilion TouchSmart tx2	Set to 4	Set to 0	Match ODD	Set to 14	Set to 00	
3054-xxx or 3055-xxx	AMD	HP Pavilion dv2	This system ships with external ODD (may not be included with system when shipping for repair). Several settings depend on ODD type for correct configuration. Use PCID exclusively to configure this system to ensure correct configuration. <b>Note!</b> PCID label located under HDD door.					
1505-xxx	Intel	HP Pavilion dv3500	Set to 4	Set to 0	Match ODD	Set to 0E	Set to 00	
1506-xxx	AMD	HP Pavilion dv3	Set to 4	Set to 0	Match ODD	Set to 0E	Set to 00	
306D-xxx or 306E-xxx	Intel	HP Pavilion dv3 Compaq Presario CQ35	Set to 4 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00	
3607-xxx	Intel	Compaq Presario CQ40	Set to 0	Set to 0	Match ODD	Set to 0D	Set to 00	
7010-xxx	Intel	Compaq Presario CQ40	Set to 0	Set to 0	Match ODD	Set to 0D	Set to 00	
30FE-xxx or 30FF-xxx	AMD	Compaq Presario CQ40	Set to 0	Set to 0	Match ODD	Set to 0D	Set to 00	
30F7-100 or 30F8-100	Intel	HP Pavilion dv4 Compaq Presario CQ45	Set to 3 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00	
30F7-110 or 30F8-110	Intel	HP Pavilion dv4 Compaq Presario CQ45	Set to 4 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00	
30FB-100	AMD	HP Pavilion dv4 Compaq Presario CQ45	Set to 3 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00	
30FB-110	AMD	HP Pavilion dv4 Compaq Presario CQ45	Set to 4 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00	
3600-100 or 30F2-100	AMD	HP Pavilion dv5	Set to 3	Set to 0	Match ODD	Set to 0C	Set to 00	
3600-110 or 30F2-110	AMD	HP Pavilion dv5	Set to 4	Set to 0	Match ODD	Set to 0C	Set to 00	

3602-100 or 3603-100	Intel	HP Pavilion dv5	Set to 3	Set to 0	Match ODD	Set to 0C	Set to 00
3602-110 or 3603-110 or 3621-110	Intel	HP Pavilion dv5	Set to 4	Set to 0	Match ODD	Set to 0C	Set to 00
360A-xxx	AMD	HP G50 Compaq Presario CQ50	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00
360B-xxx	Intel	HP G50 Compaq Presario CQ50	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00
3059-xxx or 3060-xxx or 3061-xxxx	AMD	HP Pavilion dv6	Set to 4	Set to 0	Match ODD	Set to 12	Set to 00
3627-xxx or 3628-xxx or 3629-xxx	Intel	HP Pavilion dv6	Set to 4	Set to 0	Match ODD	Set to 0C	Set to 00
3612-xxx or 3617-xxx	Intel	Compaq Presario CQ60 HP G60	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0D Set to 0C	Set to 00 Set to 00
303C-xxx	AMD	Compaq Presario CQ60 HP G60	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0D Set to 0C	Set to 00 Set to 00
3069-xxx or 306A-xxx	Intel	Compaq Presario Q61 HP G61	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0D Set to 0C	Set to 00 Set to 00
30FC-100 or 30FD-100	AMD	HP Pavilion dv7	Set to 3	Set to 0	Match ODD	Set to 0C	Set to 00
30FC-110 or 30FD-110	AMD	HP Pavilion dv7	Set to 4	Set to 0	Match ODD	Set to 0C	Set to 00
30F3-100 or 30F4-100	Intel	HP Pavilion dv7	Set to 3	Set to 0	Match ODD	Set to 0C	Set to 00
30F3-110 or 30F4-110	Intel	HP Pavilion dv7	Set to 4	Set to 0	Match ODD	Set to 0E	Set to 00
3062-xxx or 3063-xxx or 3064-xxx	AMD	HP Pavilion dv7	Set to 4	Set to 0	Match ODD	Set to 13	Set to 00
3623-xxx or 3624-xxx	Intel	HP Pavilion dv7	Set to 4	Set to 0	Match ODD	Set to 12	Set to 00
360C-xxx or 3616-xxx	Intel	HP G70 Compaq Presario CQ70	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00
306B-xxx or 306C-xxx	Intel	HP G71 Compaq Presario CQ71	Set to 0 Set to 0	Set to 0 Set to 0	Match ODD Match ODD	Set to 0C Set to 0D	Set to 00 Set to 00
361A-xxx	Intel	HP Mini 1000 Netbook PC Compaq Mini 700 Netbook PC	N/A	N/A	N/A	0 or 10 (VT)	Set to 00