

## Vig800S – ASUS Q87-E Default BIOS settings

To downgrade to Windows 7 operating system, BIOS settings must be changed to boot into Legacy BIOS mode (non UEFI Mode). This BIOS file has been configured with default non UEFI Mode.

BIOS version: **v9035v.cap**

### Viglen Default BIOS Settings for **Windows 7 and Legacy operating system**

Setting	Viglen default BIOS settings
<b>Advanced\Trusted Computing</b>	
Security Device Support	Enabled
TPM State	Enabled
<b>Advanced\PCH Configuration\ Intel(R) Smart Connect Technology</b>	
ISCT Support :	Enabled
<b>Advanced\ SATA Configuration</b>	
SATA Mode Selection	AHCI
Aggressive LPM Support	Auto
S.M.A.R.T Status Check	Enabled
<b>Advanced\System Agent Configuration</b>	
VT-D	Enabled
CPU Audio Device	Enabled
DVI Port Audio	Enabled
<b>Advanced\System Agent Configuration\Graphics Configuration</b>	
Primary Display	Auto
IGPU Memory	Auto
Render Standby	Auto
IGPU Multi-Monitor	Enabled
<b>Advanced\AMT configuration</b>	
Intel AMT	Enabled
<b>Advanced\Serial port Console Redirection</b>	
Console Redirection	Enabled
<b>Advanced\onboard Devices Configuration</b>	
HD Audio Controller	Enabled
Front Panel Type	HD
Realtek LAN controller	Enabled
Realtek PCX Option ROM	Enabled
<b>Advanced\APM</b>	
Deep S4	Disabled
Restore AC Power Loss	Last State
Power on BY PCI-E/PCI	Enabled
Power on BY Ring	Enabled
Power On by RTC	Disabled
<b>Monitor</b>	
CPU Q-FAN Control	Enabled
CPU Fan speed Low Limit	200 RPM
CPU Fan Profile	Standard
Chassis Q-FAN Control	Enabled
Chassis Fan Speed low limit	600 RPM
Chassis Fan Profile	Standard
Anti-Surge Support	Enabled
<b>Boot\CSM (Compatibility Support Module)</b>	
Launch CSM	Enabled
Boot Device Control	UEFI and Legacy
Boot from Network Devices	Legacy OPRAM

### Vig800S – ASUS Q87-E Default BIOS settings

Boot from Storage Devices	Legacy OPRAM
Boot from PCI-E/PCI Expansion Devices	Legacy OPRAM
Boot\Secure Boot Menu	
OS Type	Other OS
Boot Menu	
Setup Mode	Advance Mode
Boot Option Priorities	
Boot option 1	CD/DVD ROM Drive
Boot Option 2	Hard disk drive
Boot Option 3	Network Device

## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - EZ Mode** Exit/Advanced Mode

12:51:18 Q87M-E BIOS Version: 0906 English  
 Tuesday[06/03/2014] CPU Type: Intel(R) Core(TM) i7-4770 CPU @ 3.40GHz Speed: 3400MHz  
 Total Memory: 16384MB (DDR3 1600MHz)

**CPU Information** Temp. +87.8°F/+31.0°C Voltage 0.968V

**DRAM Information** DIMM\_A1: Transcend 8192MB 1600MHz  
 DIMM\_A2: N/A  
 DIMM\_B1: Transcend 8192MB 1600MHz  
 DIMM\_B2: N/A

**Fan** CPU\_FAN 1378RPM Standard  
 CHA\_FAN1 N/A Standard  
 CHA\_FAN2 3600RPM Standard

**System Performance**

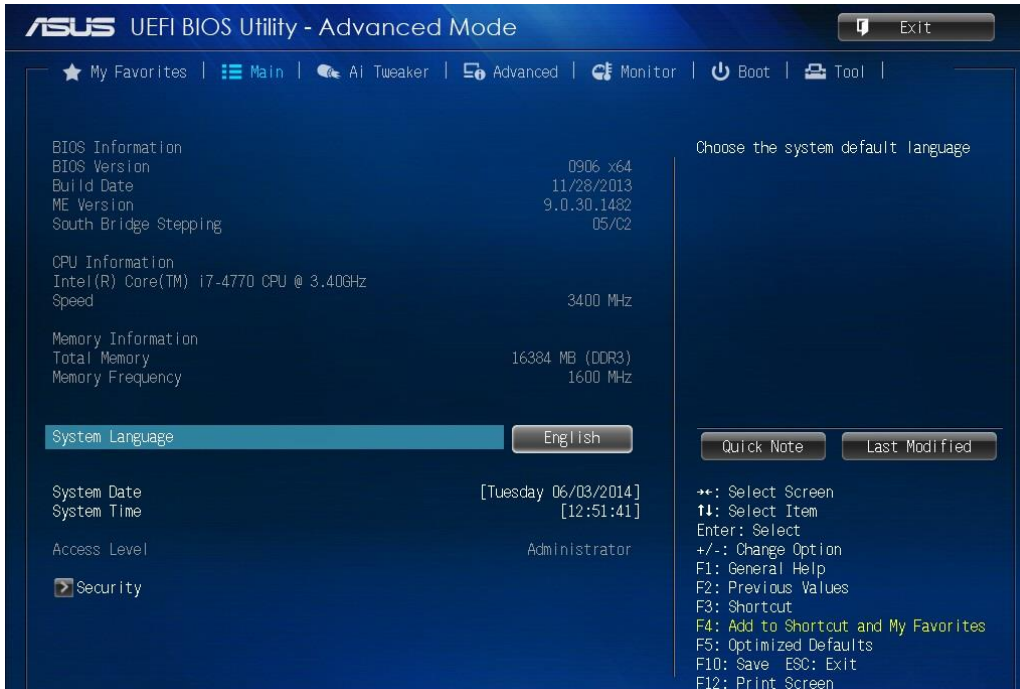
Power Saving Normal **ASUS Optimal** Quiet Performance Energy Saving

**Boot Priority**

Use the mouse to drag or keyboard to navigate to decide the boot priority.

UEFI

Shortcut(F3) Advanced Mode(F7) SATA Information Boot Menu(F8) Default(F5)



**ASUS UEFI BIOS Utility - Advanced Mode** Exit

My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool

BIOS Information  
 BIOS Version 0906 x64  
 Build Date 11/28/2013  
 ME Version 9.0.30.1482  
 South Bridge Stepping 05/C2

CPU Information  
 Intel(R) Core(TM) i7-4770 CPU @ 3.40GHz  
 Speed 3400 MHz

Memory Information  
 Total Memory 16384 MB (DDR3)  
 Memory Frequency 1600 MHz

System Language English

System Date [Tuesday 06/03/2014]  
 System Time [12:51:41]

Access Level Administrator

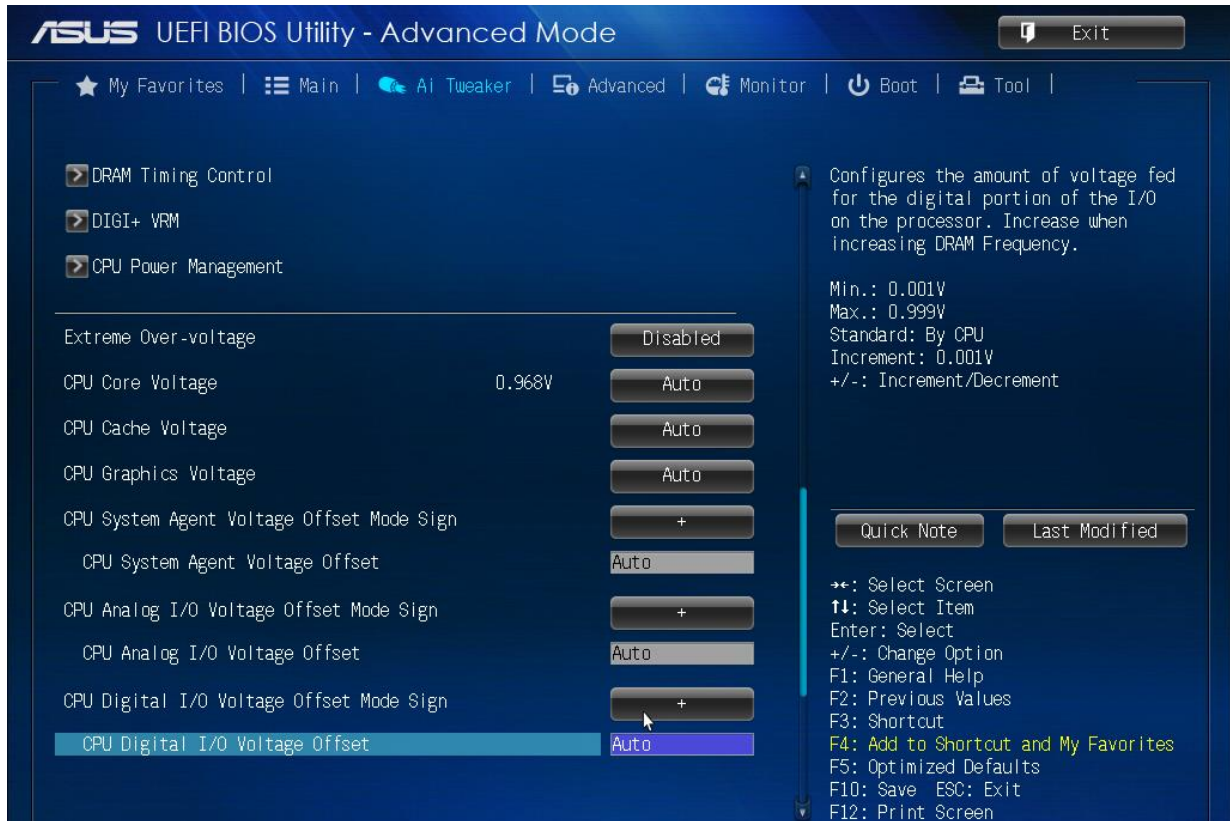
Security

Choose the system default language

Quick Note Last Modified

++: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save ESC: Exit  
 F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode**

My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool | Exit

- ▶ DRAM Timing Control
- ▶ DIGI+ VRM
- ▶ CPU Power Management

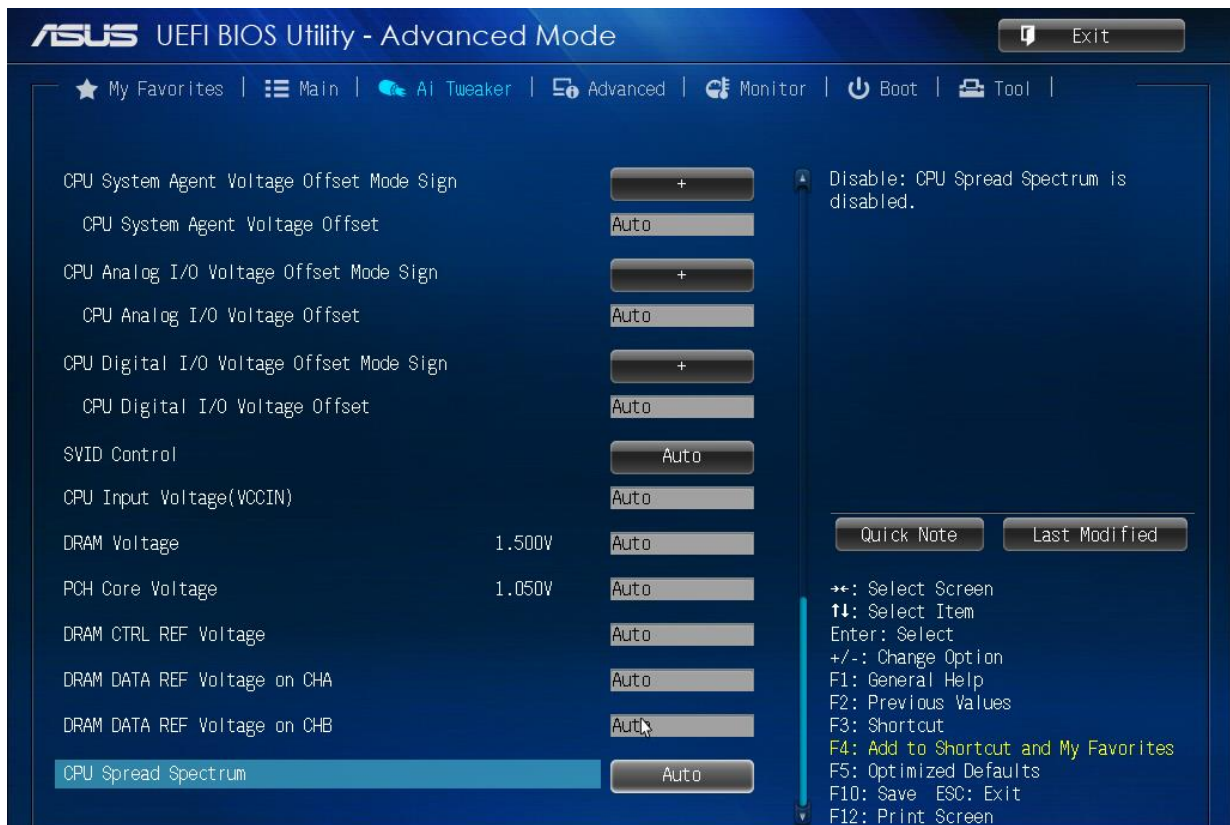
Extreme Over-voltage		Disabled
CPU Core Voltage	0.968V	Auto
CPU Cache Voltage		Auto
CPU Graphics Voltage		Auto
CPU System Agent Voltage Offset Mode Sign		+
CPU System Agent Voltage Offset		Auto
CPU Analog I/O Voltage Offset Mode Sign		+
CPU Analog I/O Voltage Offset		Auto
CPU Digital I/O Voltage Offset Mode Sign		+
CPU Digital I/O Voltage Offset		Auto

Configures the amount of voltage fed for the digital portion of the I/O on the processor. Increase when increasing DRAM Frequency.

Min.: 0.001V  
Max.: 0.999V  
Standard: By CPU  
Increment: 0.001V  
+/-: Increment/Decrement

Quick Note | Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
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 F10: Save ESC: Exit  
 F12: Print Screen



**ASUS UEFI BIOS Utility - Advanced Mode**

My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool | Exit

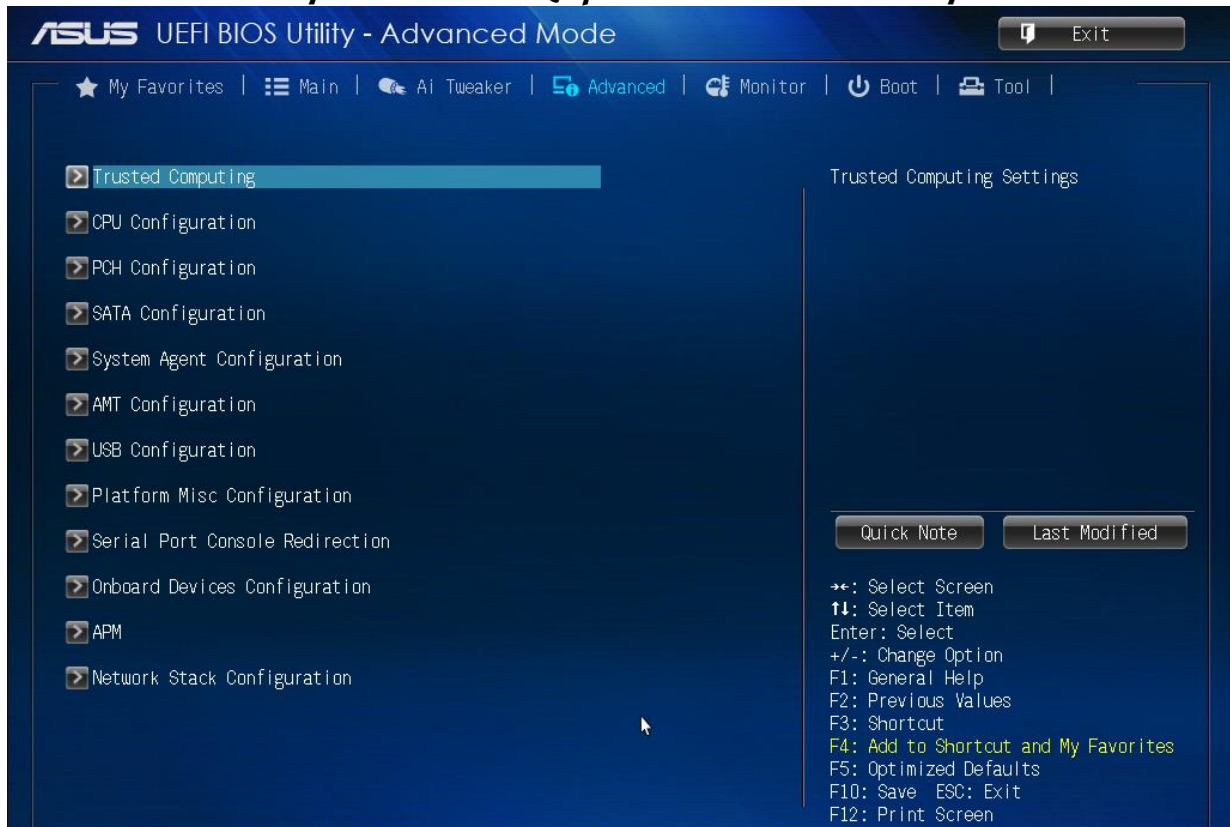
CPU System Agent Voltage Offset Mode Sign		+
CPU System Agent Voltage Offset		Auto
CPU Analog I/O Voltage Offset Mode Sign		+
CPU Analog I/O Voltage Offset		Auto
CPU Digital I/O Voltage Offset Mode Sign		+
CPU Digital I/O Voltage Offset		Auto
SVID Control		Auto
CPU Input Voltage(VCCIN)		Auto
DRAM Voltage	1.500V	Auto
PCH Core Voltage	1.050V	Auto
DRAM CTRL REF Voltage		Auto
DRAM DATA REF Voltage on CHA		Auto
DRAM DATA REF Voltage on CHB		Auto
CPU Spread Spectrum		Auto

Disable: CPU Spread Spectrum is disabled.

Quick Note | Last Modified

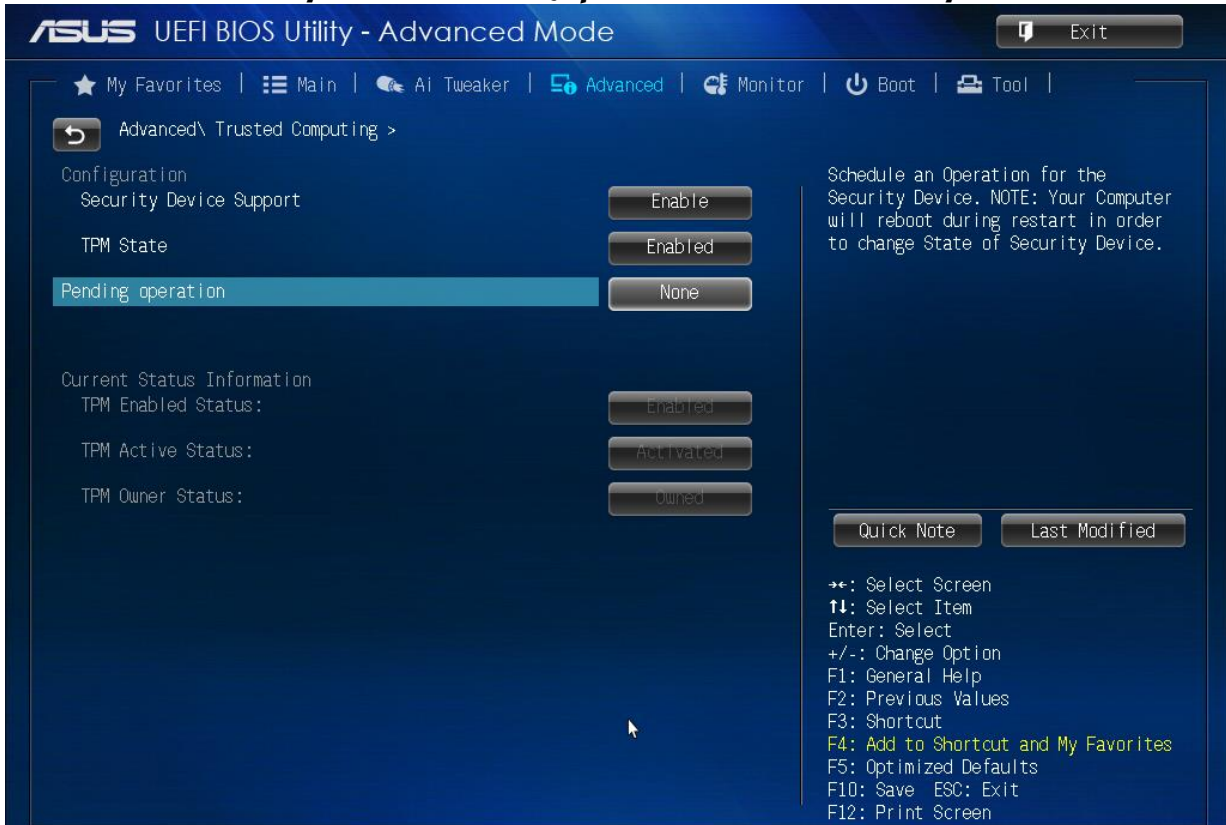
⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
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 F10: Save ESC: Exit  
 F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The interface is dark blue with white text. At the top, the ASUS logo and 'UEFI BIOS Utility - Advanced Mode' are visible, along with an 'Exit' button. A navigation bar includes 'My Favorites', 'Main', 'AI Tweaker', 'Advanced', 'Monitor', 'Boot', and 'Tool'. The 'Advanced' menu is expanded, showing a list of configuration options: Trusted Computing (highlighted), CPU Configuration, PCH Configuration, SATA Configuration, System Agent Configuration, AMT Configuration, USB Configuration, Platform Misc Configuration, Serial Port Console Redirection, Onboard Devices Configuration, APM, and Network Stack Configuration. The 'Trusted Computing Settings' panel is open on the right, featuring 'Quick Note' and 'Last Modified' buttons. Below these buttons, a list of keyboard shortcuts is provided: ++: Select Screen, ↑: Select Item, Enter: Select, +/-: Change Option, F1: General Help, F2: Previous Values, F3: Shortcut, F4: Add to Shortcut and My Favorites, F5: Optimized Defaults, F10: Save ESC: Exit, and F12: Print Screen.

## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ Trusted Computing >

Configuration

Security Device Support	Enable
TPM State	Enabled
Pending operation	None

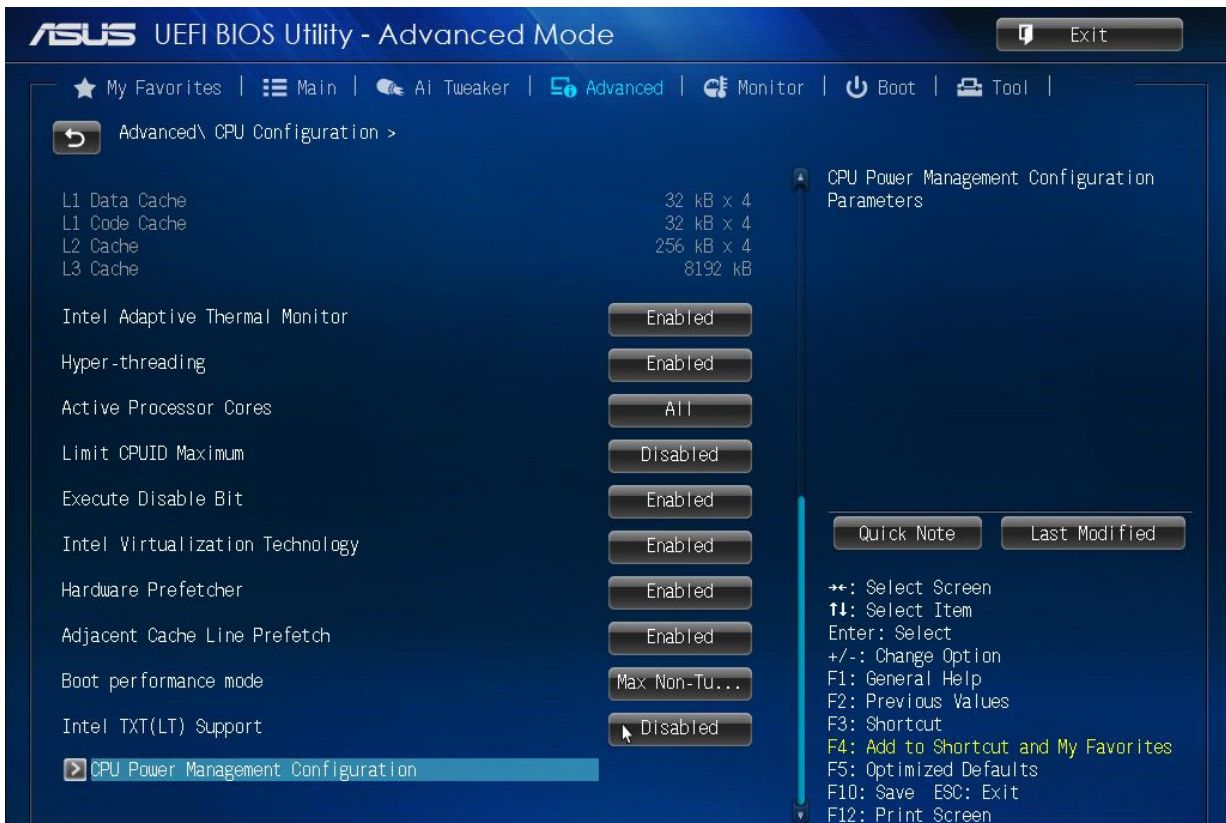
Current Status Information

TPM Enabled Status:	Enabled
TPM Active Status:	Activated
TPM Owner Status:	Owned

Schedule an Operation for the Security Device. NOTE: Your Computer will reboot during restart in order to change State of Security Device.

Quick Note | Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save ESC: Exit  
 F12: Print Screen



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ CPU Configuration >

L1 Data Cache	32 kB x 4
L1 Code Cache	32 kB x 4
L2 Cache	256 kB x 4
L3 Cache	8192 kB

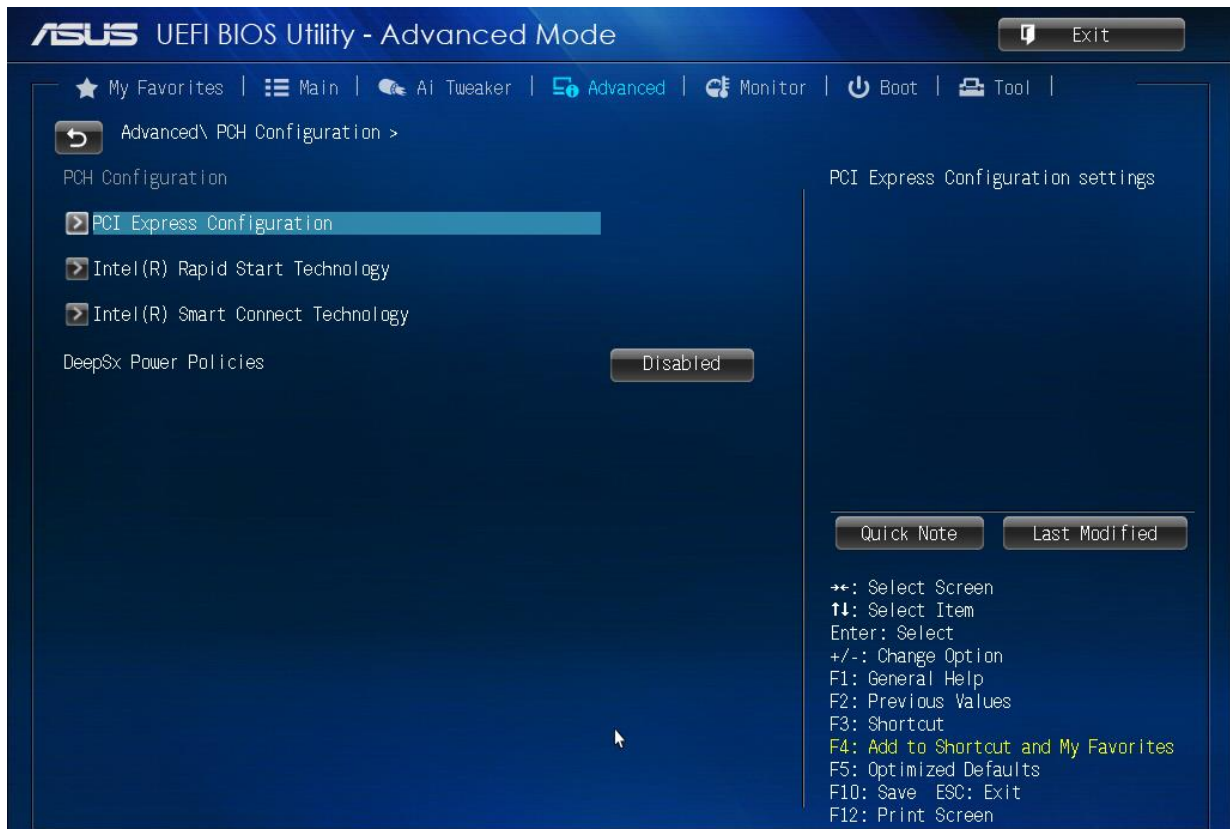
Intel Adaptive Thermal Monitor	Enabled
Hyper-threading	Enabled
Active Processor Cores	All
Limit CPUID Maximum	Disabled
Execute Disable Bit	Enabled
Intel Virtualization Technology	Enabled
Hardware Prefetcher	Enabled
Adjacent Cache Line Prefetch	Enabled
Boot performance mode	Max Non-Tu...
Intel TXT(LT) Support	Disabled

CPU Power Management Configuration Parameters

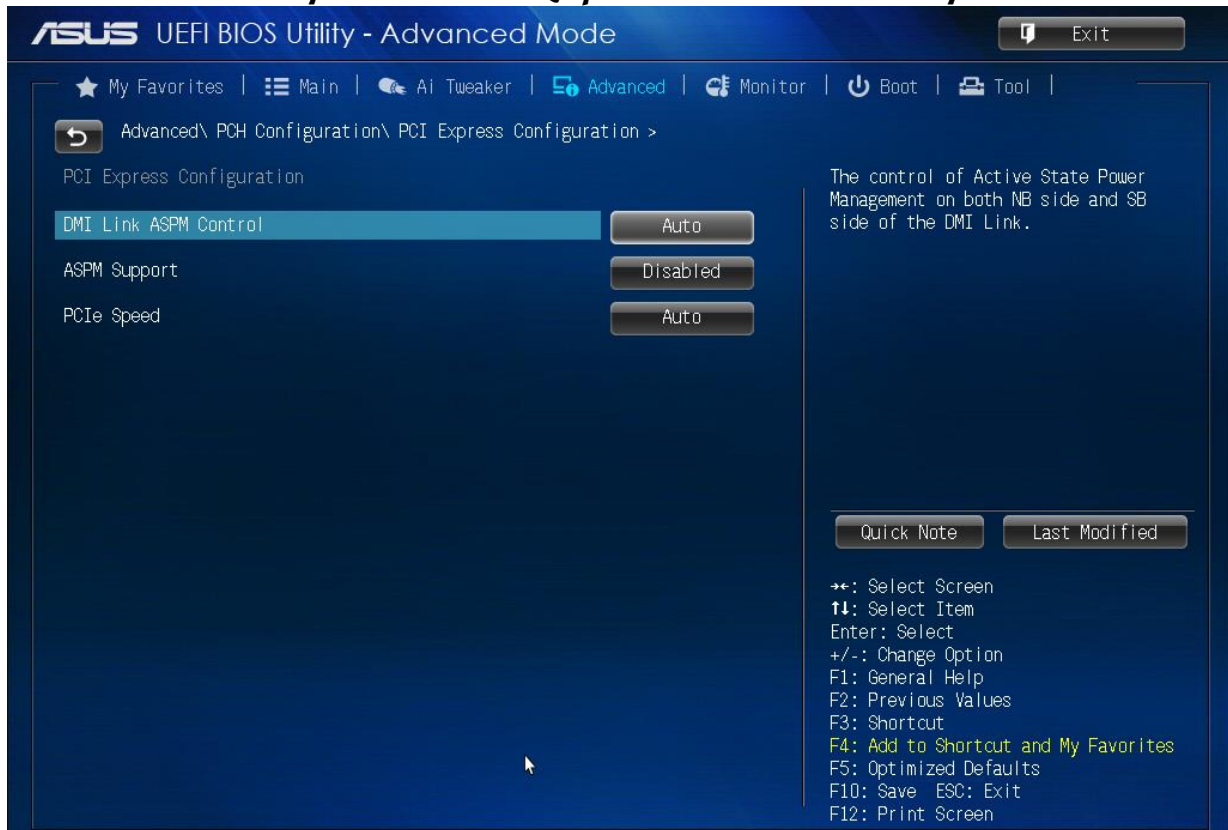
Quick Note | Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
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## Vig800S – ASUS Q87-E Default BIOS settings



## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The navigation menu at the top includes: My Favorites, Main, AI Tweaker, Advanced (selected), Monitor, Boot, and Tool. The current path is: Advanced \ PCH Configuration \ PCI Express Configuration >. The settings for PCI Express Configuration are:

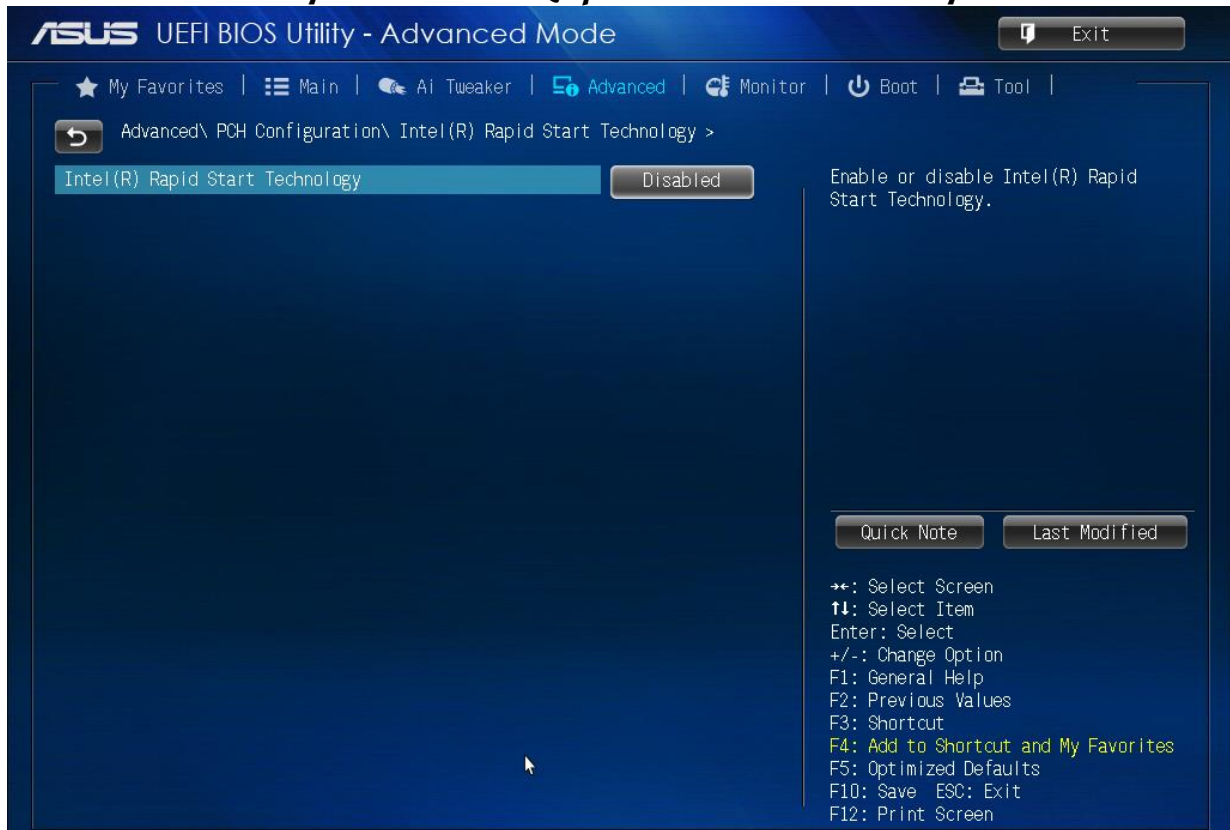
Setting	Value
DMI Link ASPM Control	Auto
ASPM Support	Disabled
PCIe Speed	Auto

The right-hand side of the screen contains a 'Quick Note' section with the following text: 'The control of Active State Power Management on both NB side and SB side of the DMI Link.' Below this note are two buttons: 'Quick Note' and 'Last Modified'. At the bottom right, a list of keyboard shortcuts is provided:

- ⇐: Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Option
- F1: General Help
- F2: Previous Values
- F3: Shortcut
- F4: Add to Shortcut and My Favorites
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- F10: Save ESC: Exit
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## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu at the top includes: My Favorites, Main, AI Tweaker, Advanced, Monitor, Boot, and Tool. The current path is: Advanced \ PCH Configuration \ Intel(R) Rapid Start Technology >. The 'Intel(R) Rapid Start Technology' option is selected and set to 'Disabled'. A description on the right states: 'Enable or disable Intel(R) Rapid Start Technology.' Below this, there are buttons for 'Quick Note' and 'Last Modified'. A keyboard legend is provided at the bottom right:

- ⇐: Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Option
- F1: General Help
- F2: Previous Values
- F3: Shortcut
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- F5: Optimized Defaults
- F10: Save ESC: Exit
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## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

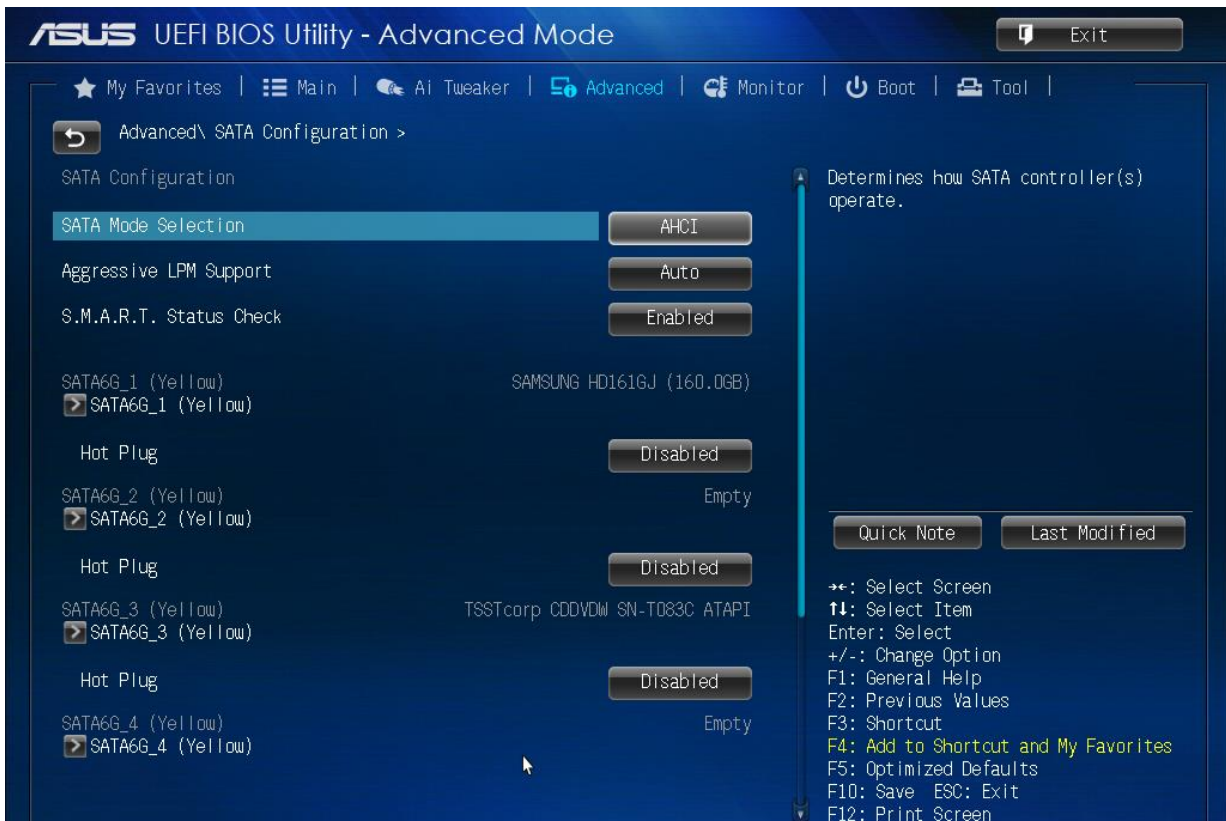
★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ PCH Configuration\ Intel(R) Smart Connect Technology >

ISCT Support **Enabled** Enable/Disable ISCT Support

Quick Note Last Modified

⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
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**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ SATA Configuration >

SATA Configuration

SATA Mode Selection **AHCI**

Aggressive LPM Support **Auto**

S.M.A.R.T. Status Check **Enabled**

SATA6G\_1 (Yellow) SAMSUNG HD161GJ (160.0GB)  
 ▶ SATA6G\_1 (Yellow)

Hot Plug **Disabled**

SATA6G\_2 (Yellow) Empty  
 ▶ SATA6G\_2 (Yellow)

Hot Plug **Disabled**

SATA6G\_3 (Yellow) TSSTcorp CDDVDW SN-T083C ATAPI  
 ▶ SATA6G\_3 (Yellow)

Hot Plug **Disabled**

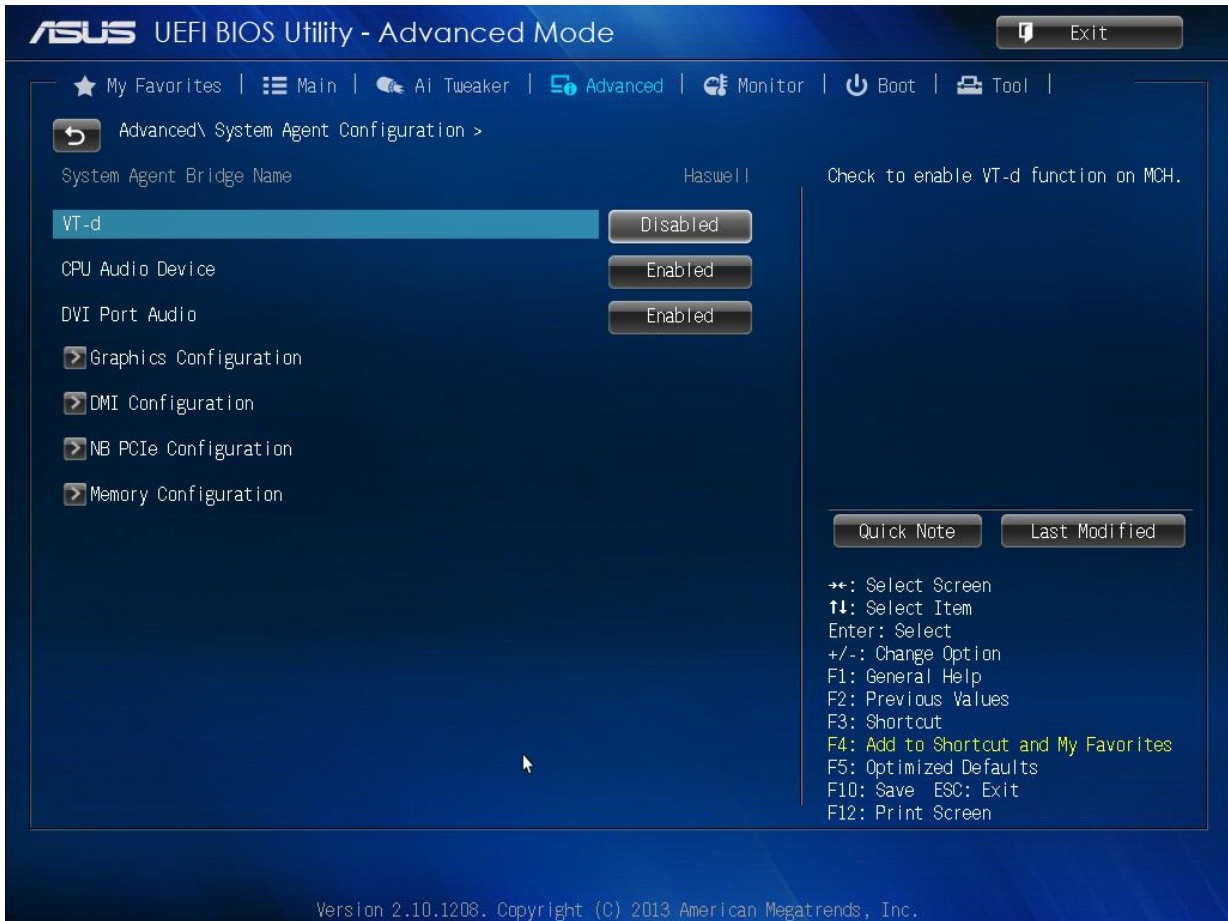
SATA6G\_4 (Yellow) Empty  
 ▶ SATA6G\_4 (Yellow)

Determines how SATA controller(s) operate.

Quick Note Last Modified

⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save ESC: Exit  
 F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings

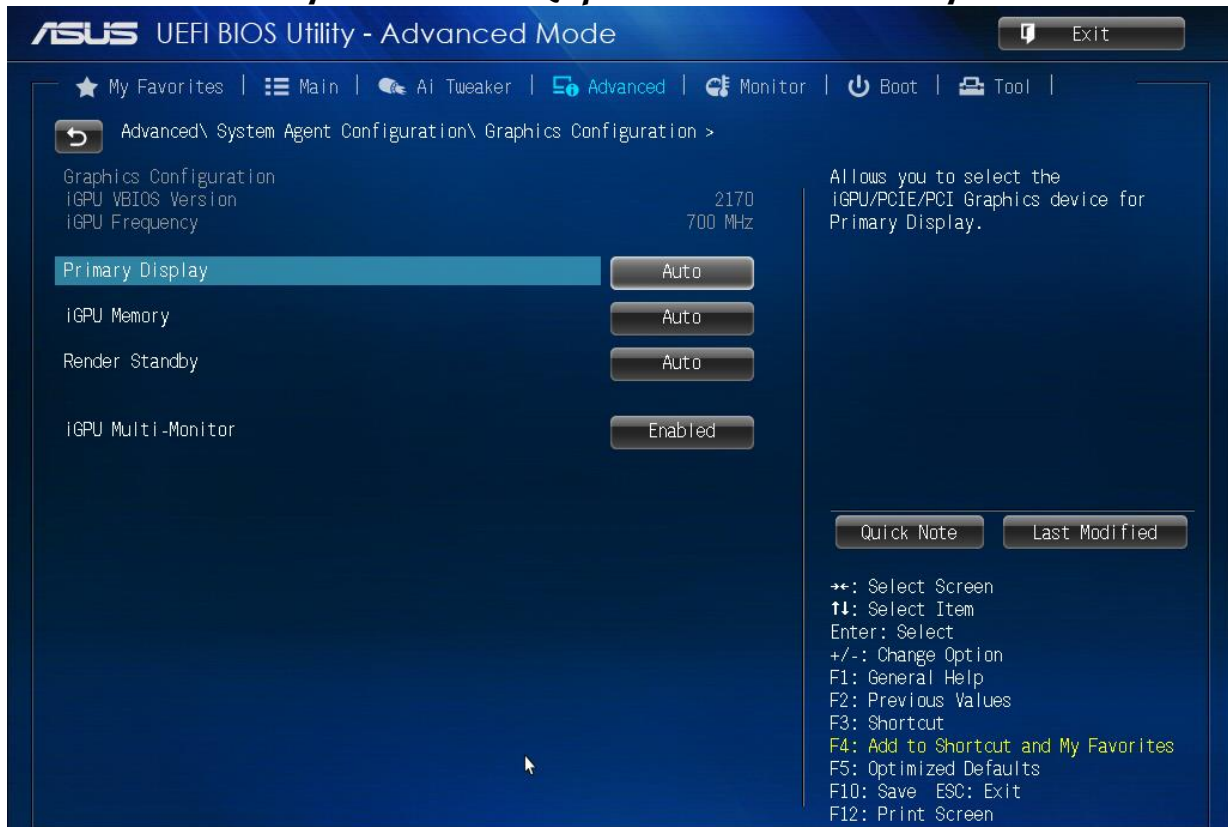


The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu includes: My Favorites, Main, AI Tweaker, Advanced (selected), Monitor, Boot, and Tool. The current screen is 'Advanced\ System Agent Configuration >'. The 'System Agent Bridge Name' is set to 'Haswell'. The 'VT-d' setting is currently 'Disabled' and is highlighted. Other settings include 'CPU Audio Device' (Enabled) and 'DVI Port Audio' (Enabled). A note on the right states: 'Check to enable VT-d function on MCH.' Below this are buttons for 'Quick Note' and 'Last Modified'. A keyboard legend is provided at the bottom right:

- : Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Option
- F1: General Help
- F2: Previous Values
- F3: Shortcut
- F4: Add to Shortcut and My Favorites
- F5: Optimized Defaults
- F10: Save ESC: Exit
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## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS** UEFI BIOS Utility - Advanced Mode Exit

★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ System Agent Configuration\ Graphics Configuration >

Graphics Configuration  
iGPU VBIOS Version 2170  
iGPU Frequency 700 MHz

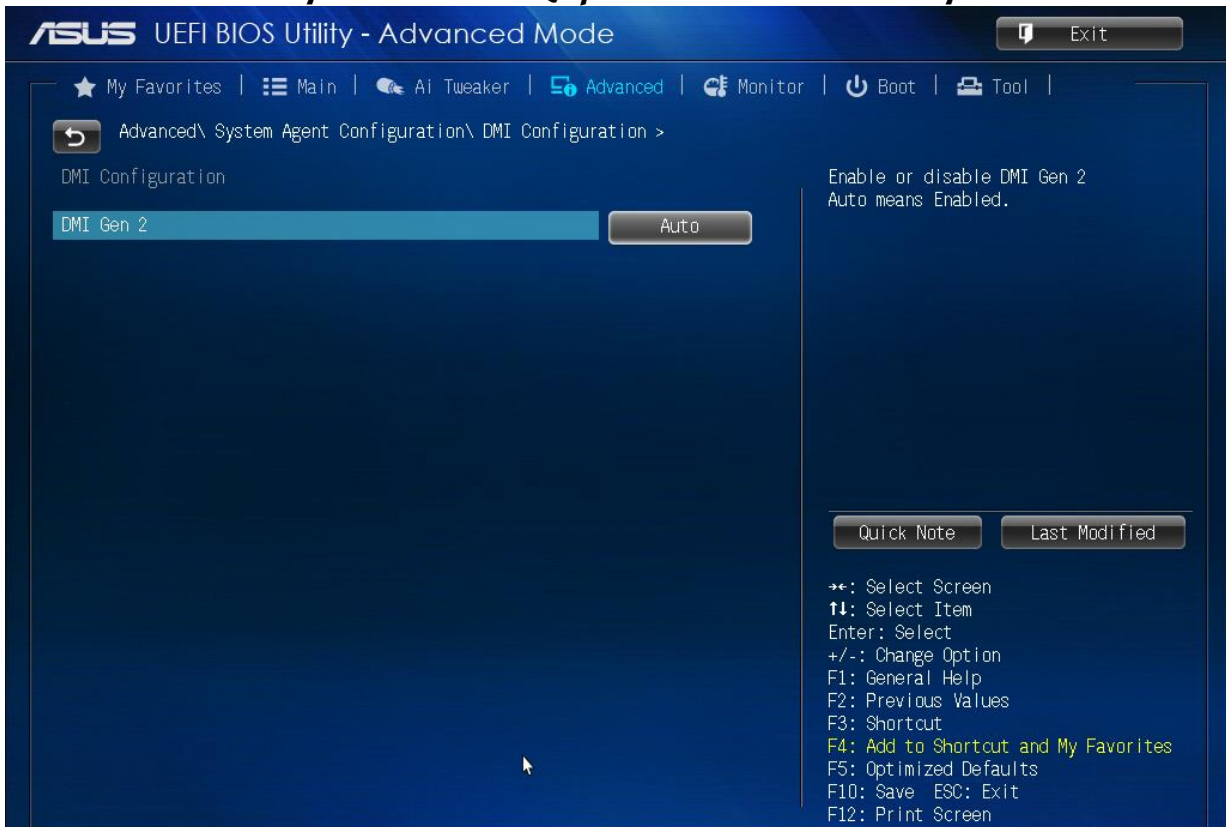
Allows you to select the iGPU/PCIe/PCI Graphics device for Primary Display.

Primary Display	Auto
iGPU Memory	Auto
Render Standby	Auto
iGPU Multi-Monitor	Enabled

Quick Note Last Modified

⇐: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Option  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to Shortcut and My Favorites  
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## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced \ System Agent Configuration \ DMI Configuration >

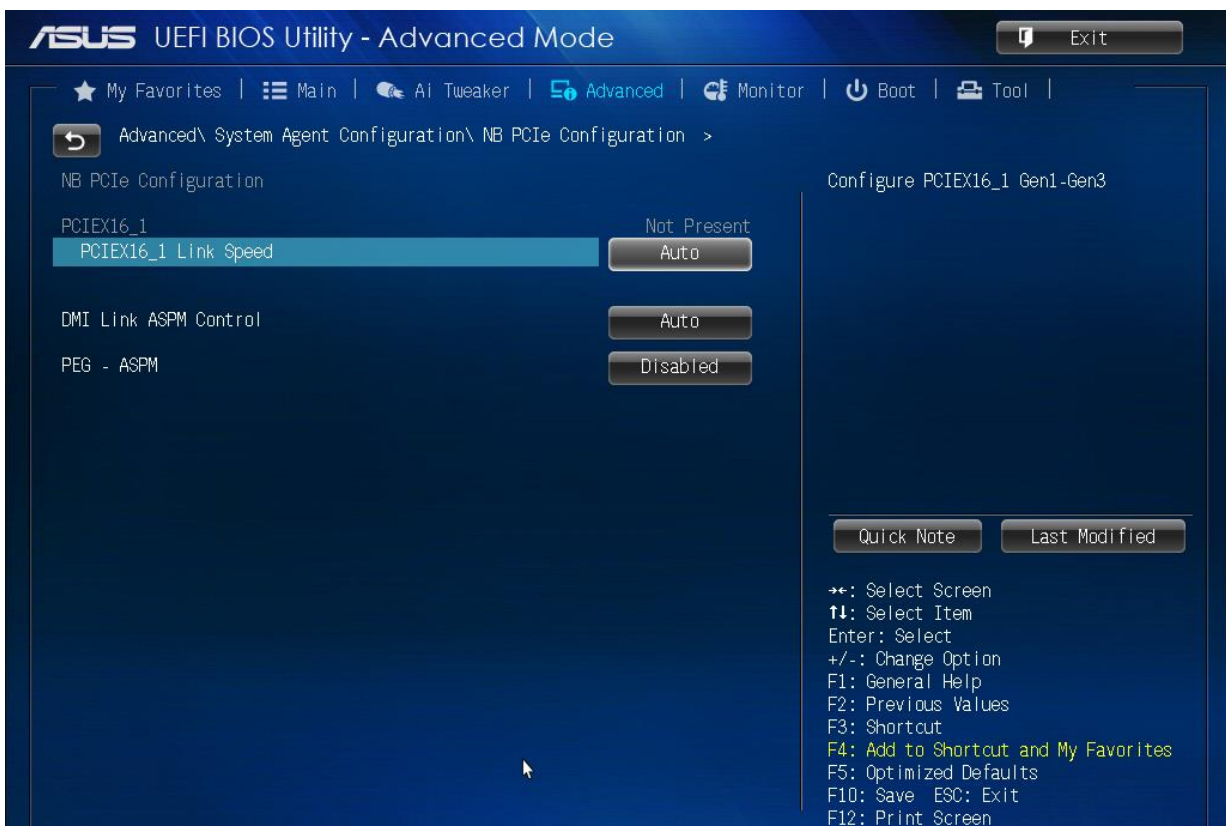
DMI Configuration

DMI Gen 2 [Auto]

Enable or disable DMI Gen 2  
Auto means Enabled.

[Quick Note] [Last Modified]

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save ESC: Exit  
 F12: Print Screen



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced \ System Agent Configuration \ NB PCIe Configuration >

NB PCIe Configuration

PCIEX16\_1 [Not Present]

PCIEX16\_1 Link Speed [Auto]

DMI Link ASPM Control [Auto]

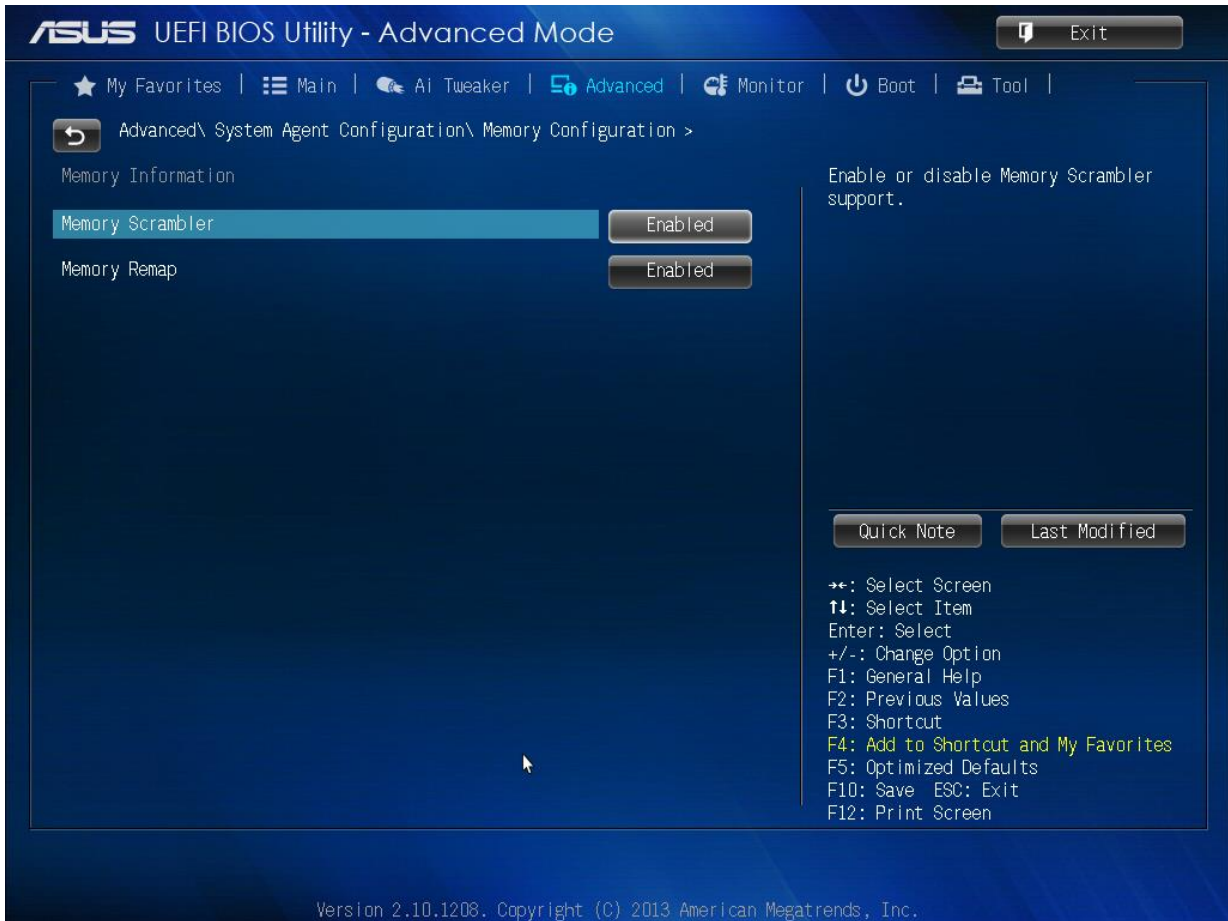
PEG - ASPM [Disabled]

Configure PCIEX16\_1 Gen1-Gen3

[Quick Note] [Last Modified]

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
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## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu includes: My Favorites, Main, AI Tweaker, Advanced (selected), Monitor, Boot, and Tool. The current path is Advanced \ System Agent Configuration \ Memory Configuration >. Under Memory Information, the following settings are shown:

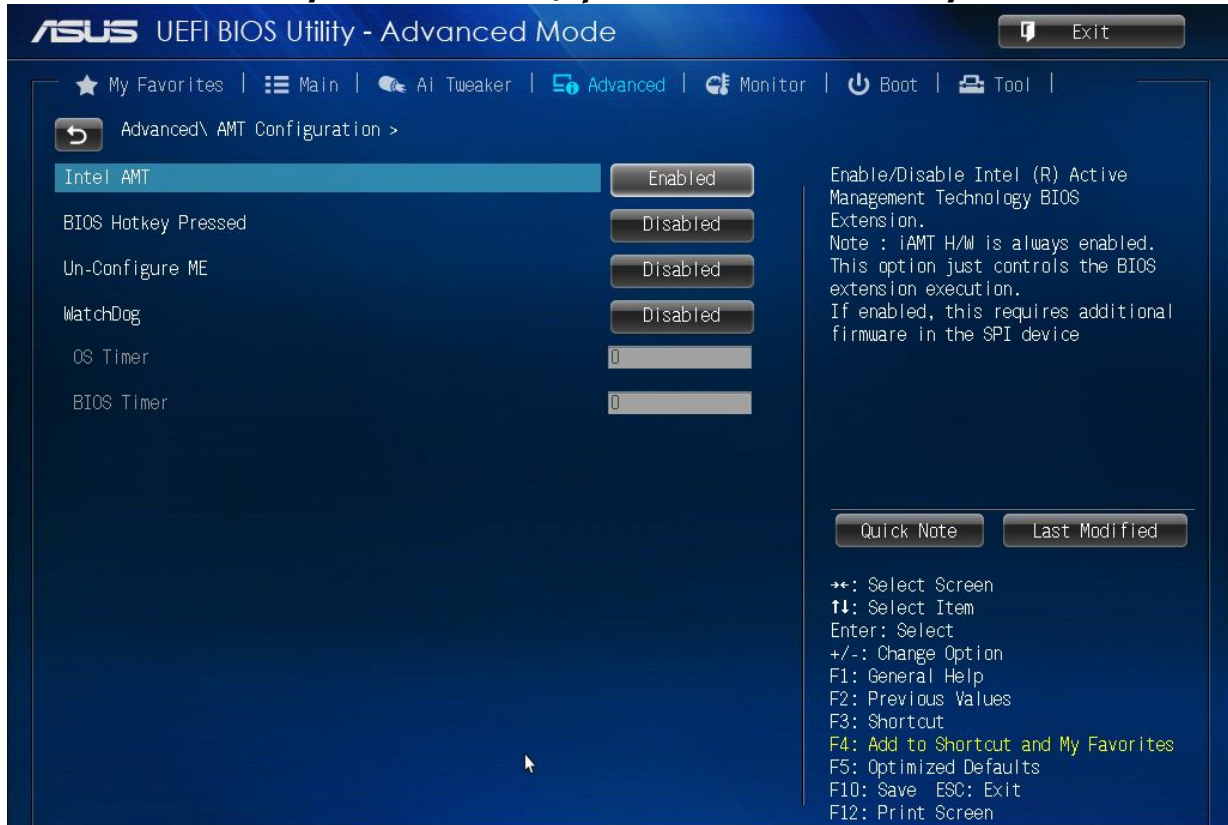
Setting	Value
Memory Scrambler	Enabled
Memory Remap	Enabled

On the right side, there is a description: "Enable or disable Memory Scrambler support." Below this are buttons for "Quick Note" and "Last Modified". A keyboard legend is provided at the bottom right:

- : Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Option
- F1: General Help
- F2: Previous Values
- F3: Shortcut
- F4: Add to Shortcut and My Favorites
- F5: Optimized Defaults
- F10: Save ESC: Exit
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## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

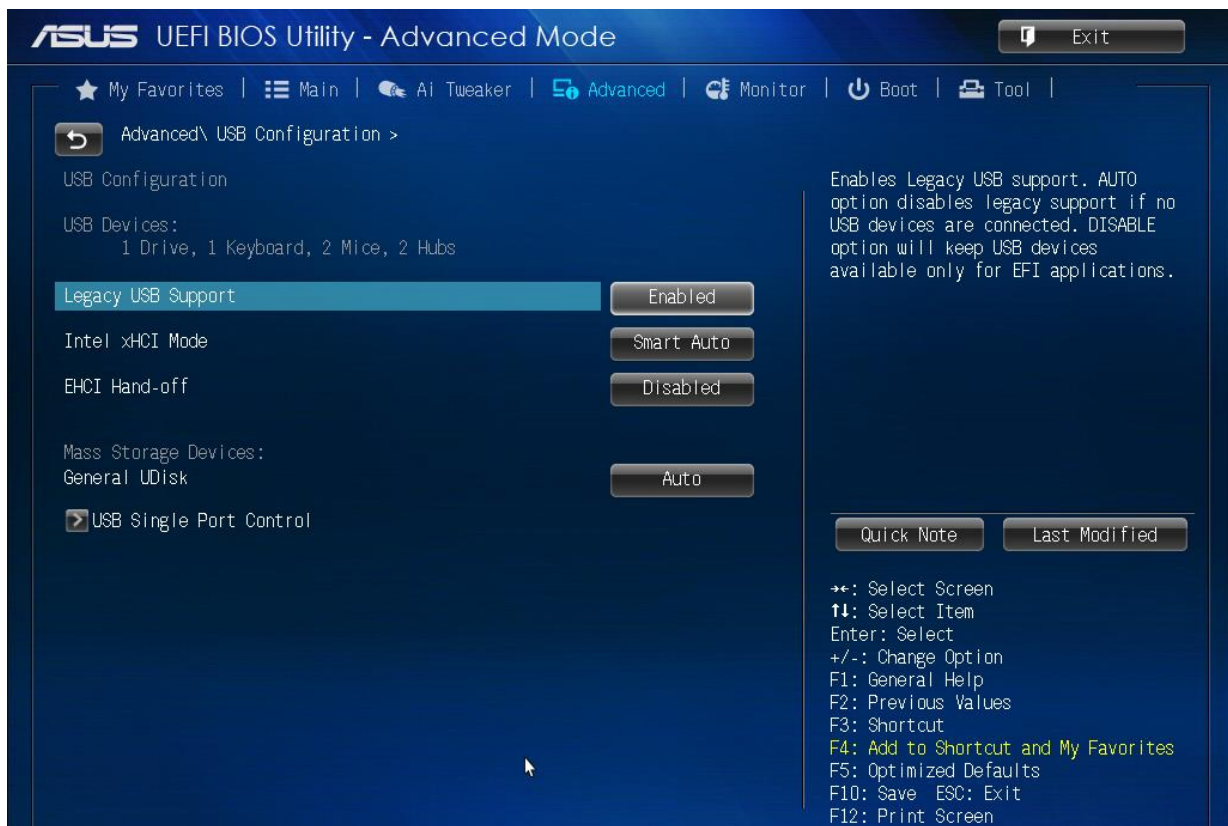
Advanced\ AMT Configuration >

Intel AMT	Enabled
BIOS Hotkey Pressed	Disabled
Un-Configure ME	Disabled
WatchDog	Disabled
OS Timer	0
BIOS Timer	0

Enable/Disable Intel (R) Active Management Technology BIOS Extension.  
 Note : iAMT H/W is always enabled. This option just controls the BIOS extension execution.  
 If enabled, this requires additional firmware in the SPI device

Quick Note    Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
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**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

★ My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ USB Configuration >

USB Configuration

USB Devices:  
 1 Drive, 1 Keyboard, 2 Mice, 2 Hubs

Legacy USB Support	Enabled
Intel xHCI Mode	Smart Auto
EHCI Hand-off	Disabled
Mass Storage Devices: General UDisk	Auto

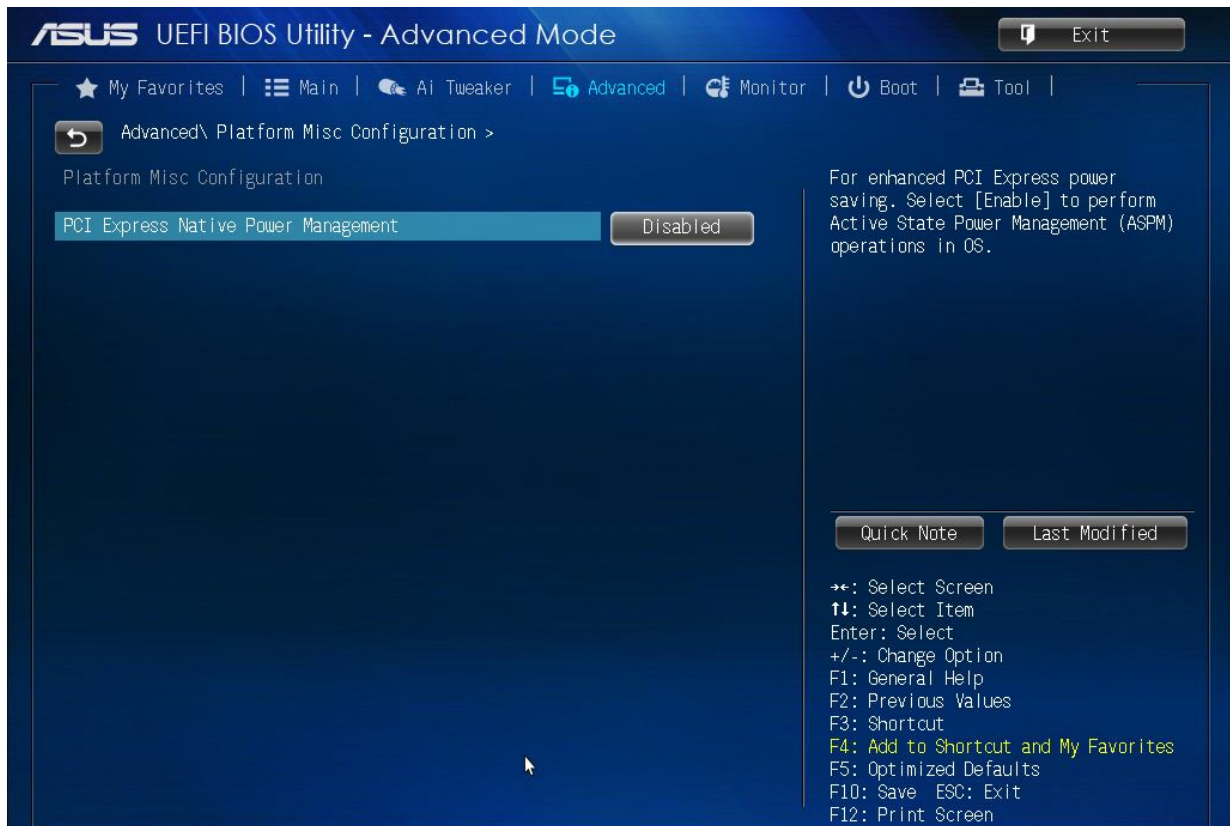
USB Single Port Control

Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI applications.

Quick Note    Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
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## Vig800S – ASUS Q87-E Default BIOS settings

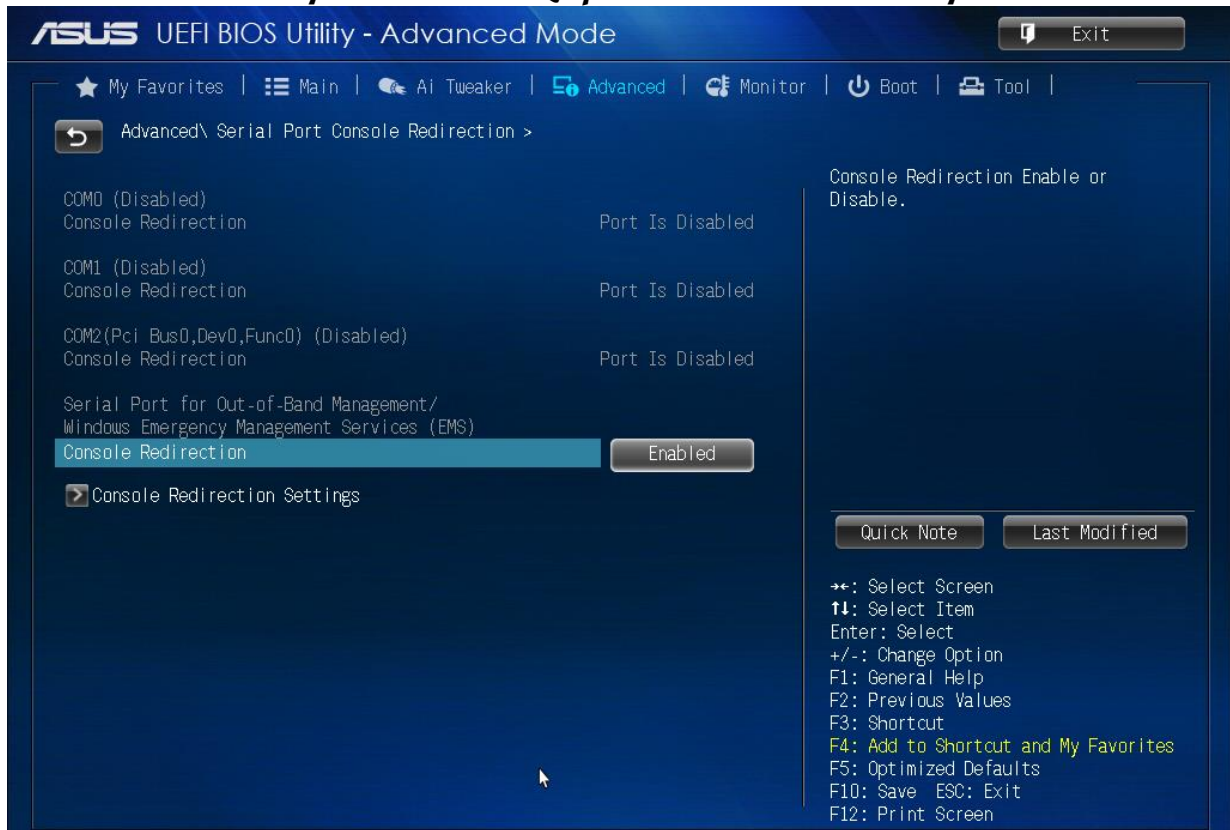


The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu includes: My Favorites, Main, AI Tweaker, Advanced (selected), Monitor, Boot, and Tool. The current screen is 'Advanced\ Platform Misc Configuration >'. Under 'Platform Misc Configuration', 'PCI Express Native Power Management' is set to 'Disabled'. A 'Quick Note' box explains: 'For enhanced PCI Express power saving. Select [Enable] to perform Active State Power Management (ASPM) operations in OS.' Below this are 'Quick Note' and 'Last Modified' buttons. A keyboard legend is provided at the bottom right:

- : Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Option
- F1: General Help
- F2: Previous Values
- F3: Shortcut
- F4: Add to Shortcut and My Favorites
- F5: Optimized Defaults
- F10: Save ESC: Exit
- F12: Print Screen



## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu includes: My Favorites, Main, AI Tweaker, Advanced, Monitor, Boot, and Tool. The current screen is 'Advanced\ Serial Port Console Redirection >'. It shows three COM ports (COM0, COM1, COM2) all set to 'Disabled' and 'Port Is Disabled'. The 'Serial Port for Out-of-Band Management/ Windows Emergency Management Services (EMS) Console Redirection' is set to 'Enabled'. A 'Console Redirection Settings' option is also visible. On the right, there is a 'Quick Note' and 'Last Modified' section with a list of navigation shortcuts: ++: Select Screen, ↑: Select Item, Enter: Select, +/-: Change Option, F1: General Help, F2: Previous Values, F3: Shortcut, F4: Add to Shortcut and My Favorites, F5: Optimized Defaults, F10: Save ESC: Exit, and F12: Print Screen.

Port	Status	Port Is Disabled
COM0 (Disabled) Console Redirection	Disabled	Port Is Disabled
COM1 (Disabled) Console Redirection	Disabled	Port Is Disabled
COM2 (Pci Bus0,Dev0,Func0) (Disabled) Console Redirection	Disabled	Port Is Disabled

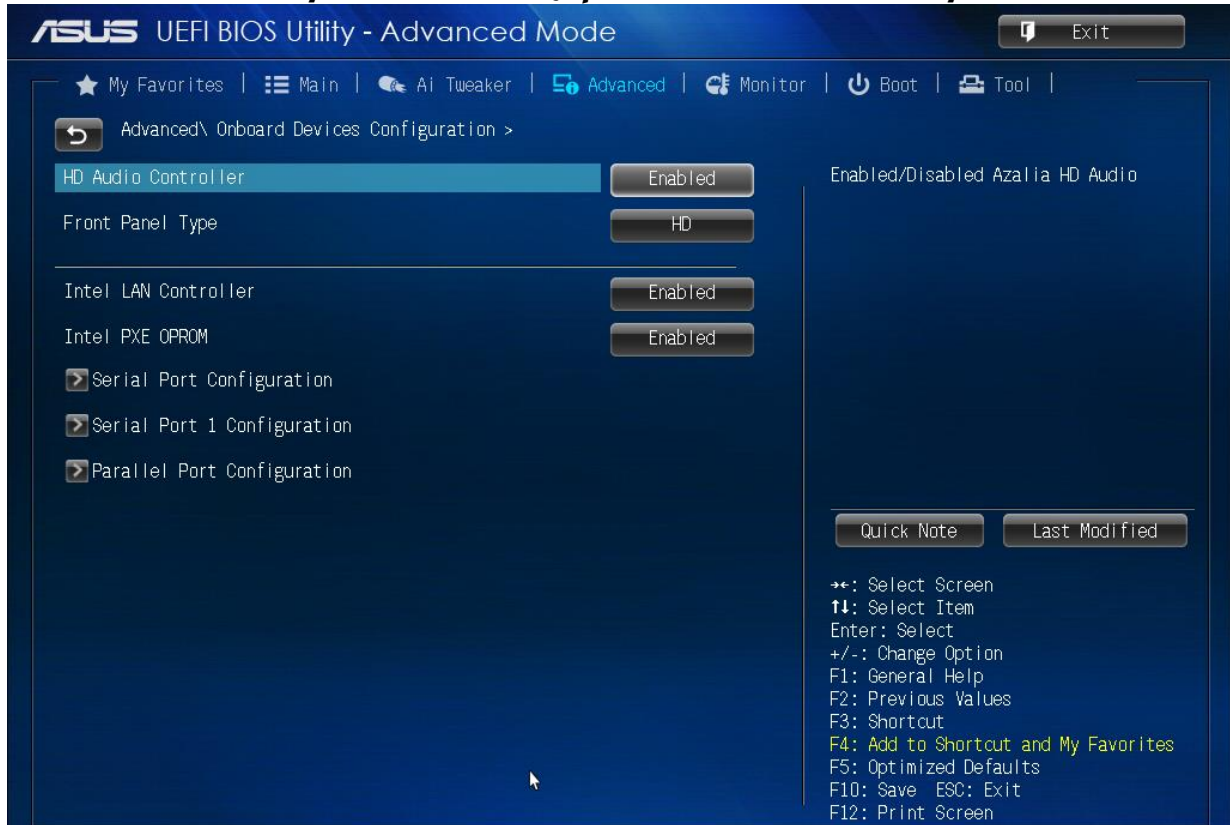
Serial Port for Out-of-Band Management/  
Windows Emergency Management Services (EMS)  
Console Redirection **Enabled**

Console Redirection Enable or Disable.

Quick Note Last Modified

++: Select Screen  
↑: Select Item  
Enter: Select  
+/-: Change Option  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to Shortcut and My Favorites  
F5: Optimized Defaults  
F10: Save ESC: Exit  
F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode, specifically the Onboard Devices Configuration section. The interface is dark blue with white and light blue text. The top navigation bar includes 'My Favorites', 'Main', 'AI Tweaker', 'Advanced', 'Monitor', 'Boot', and 'Tool'. The current path is 'Advanced \ Onboard Devices Configuration >'. The 'HD Audio Controller' is set to 'Enabled', with a note 'Enabled/Disabled Azalia HD Audio'. Other settings include 'Front Panel Type' (HD), 'Intel LAN Controller' (Enabled), and 'Intel PXE OPROM' (Enabled). Expandable sections for 'Serial Port Configuration', 'Serial Port 1 Configuration', and 'Parallel Port Configuration' are visible. A 'Quick Note' and 'Last Modified' section are at the bottom right, listing navigation shortcuts: ++ for Select Screen, ↑↓ for Select Item, Enter for Select, +/- for Change Option, F1 for General Help, F2 for Previous Values, F3 for Shortcut, F4 for Add to Shortcut and My Favorites, F5 for Optimized Defaults, F10 for Save ESC for Exit, and F12 for Print Screen.

ASUS UEFI BIOS Utility - Advanced Mode

My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool

Advanced \ Onboard Devices Configuration >

HD Audio Controller Enabled Enabled/Disabled Azalia HD Audio

Front Panel Type HD

Intel LAN Controller Enabled

Intel PXE OPROM Enabled

Serial Port Configuration

Serial Port 1 Configuration

Parallel Port Configuration

Quick Note Last Modified

++: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Option  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to Shortcut and My Favorites  
F5: Optimized Defaults  
F10: Save ESC: Exit  
F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu includes: My Favorites, Main, AI Tweaker, Advanced, Monitor, Boot, and Tool. The current path is: Advanced \ Onboard Devices Configuration \ Serial Port Configuration >. The Serial Port Configuration section shows the Serial Port is set to Enabled and Change Settings is set to IO=3F8h; IRQ=4. A Quick Note and Last Modified section are also visible, along with a list of navigation shortcuts.

ASUS UEFI BIOS Utility - Advanced Mode Exit

★ My Favorites | ☰ Main | 🎚 AI Tweaker | 🛠 Advanced | 🖥 Monitor | ⏻ Boot | 🗂 Tool |

➡ Advanced \ Onboard Devices Configuration \ Serial Port Configuration >

Serial Port Configuration

Serial Port Enabled


Change Settings IO=3F8h; IRQ=4

Enable or Disable Serial Port

Quick Note Last Modified

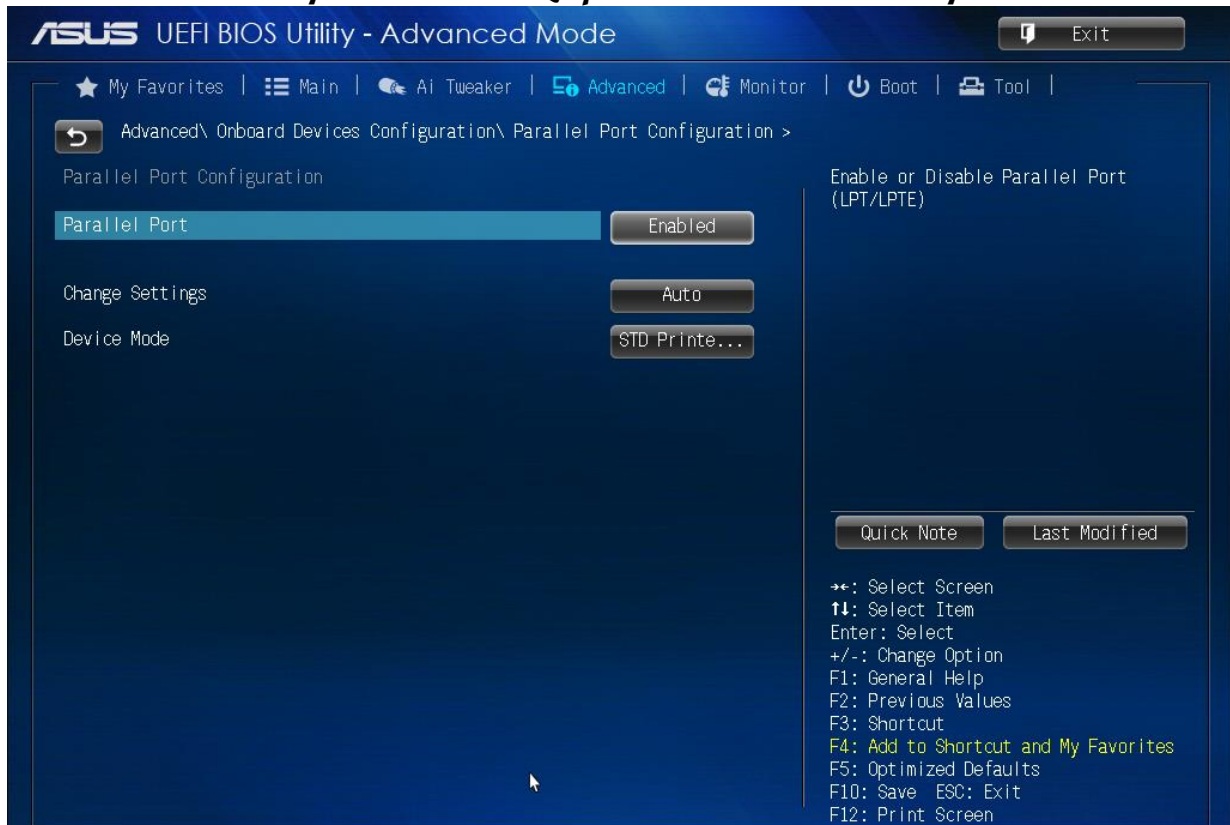
⇐: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Option  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to Shortcut and My Favorites  
F5: Optimized Defaults  
F10: Save ESC: Exit  
F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The main menu includes: My Favorites, Main, AI Tweaker, Advanced, Monitor, Boot, and Tool. The current path is: Advanced \ Onboard Devices Configuration \ Serial Port 1 Configuration >. The 'Serial Port 1 Configuration' section shows 'Serial Port' set to 'Enabled' and 'Change Settings' set to 'IO=2F8h; IRQ=3'. A 'Quick Note' and 'Last Modified' section is visible at the bottom right, listing navigation shortcuts: ++: Select Screen, ↑: Select Item, Enter: Select, +/-: Change Option, F1: General Help, F2: Previous Values, F3: Shortcut, F4: Add to Shortcut and My Favorites, F5: Optimized Defaults, F10: Save ESC: Exit, and F12: Print Screen.

## Vig800S – ASUS Q87-E Default BIOS settings



ASUS UEFI BIOS Utility - Advanced Mode

My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ Onboard Devices Configuration\ Parallel Port Configuration >

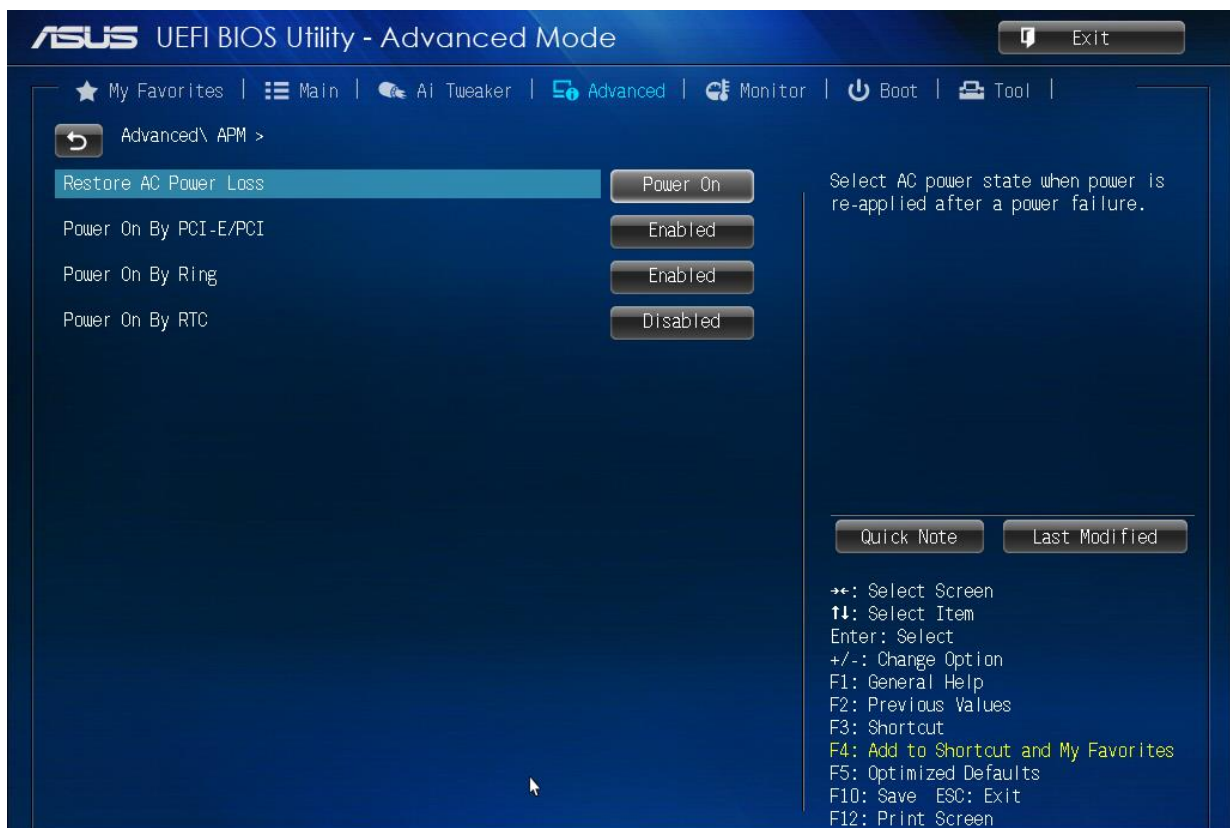
Parallel Port Configuration

Parallel Port	Enabled
Change Settings	Auto
Device Mode	STD Printe...

Enable or Disable Parallel Port (LPT/LPTE)

Quick Note    Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save    ESC: Exit  
 F12: Print Screen



ASUS UEFI BIOS Utility - Advanced Mode

My Favorites | Main | AI Tweaker | **Advanced** | Monitor | Boot | Tool

Advanced\ APM >

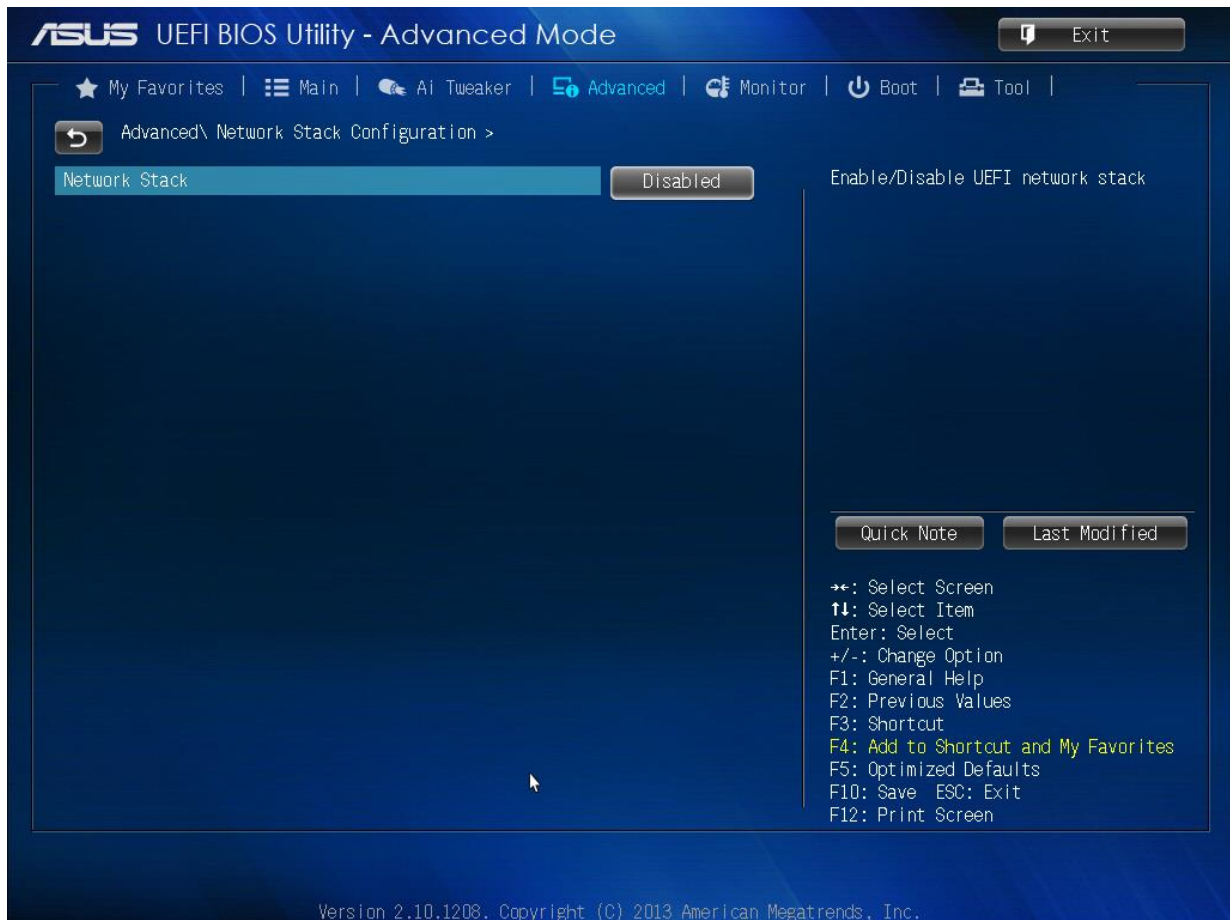
Restore AC Power Loss	Power On
Power On By PCI-E/PCI	Enabled
Power On By Ring	Enabled
Power On By RTC	Disabled

Select AC power state when power is re-applied after a power failure.

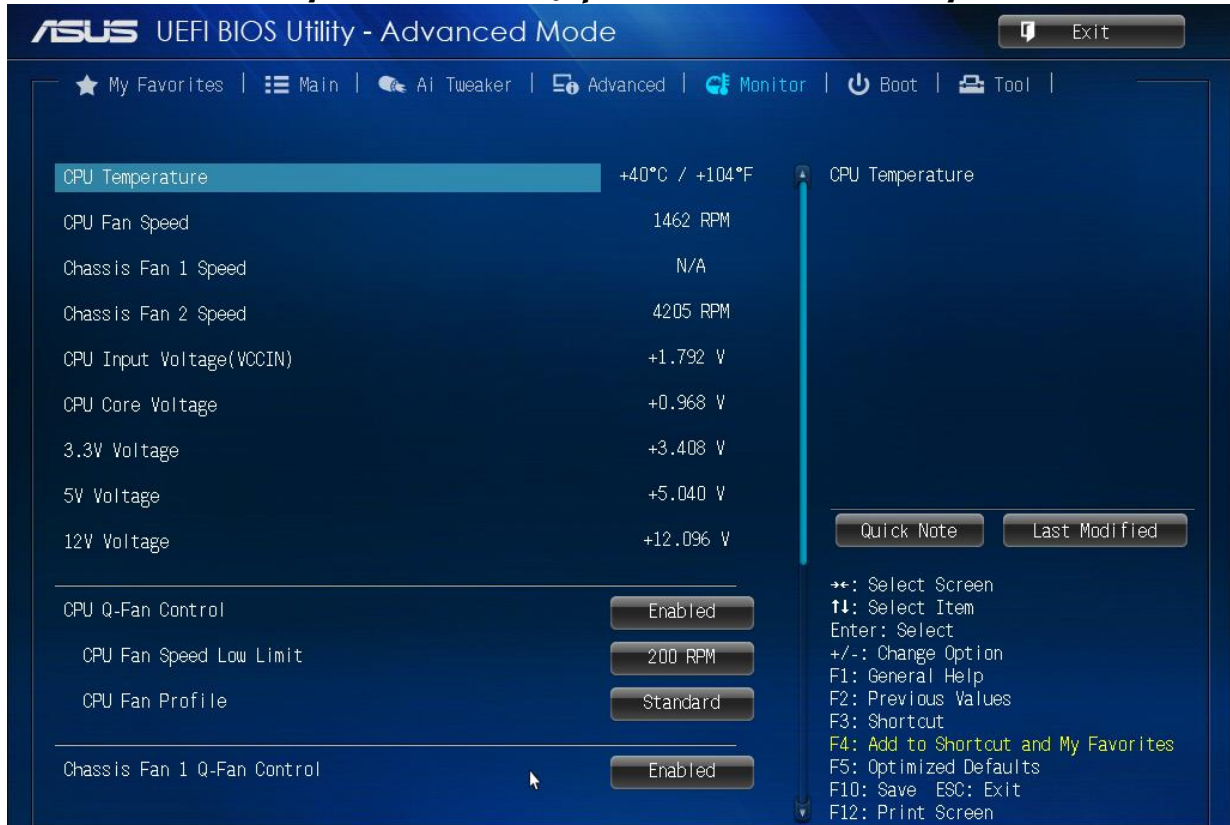
Quick Note    Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save    ESC: Exit  
 F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

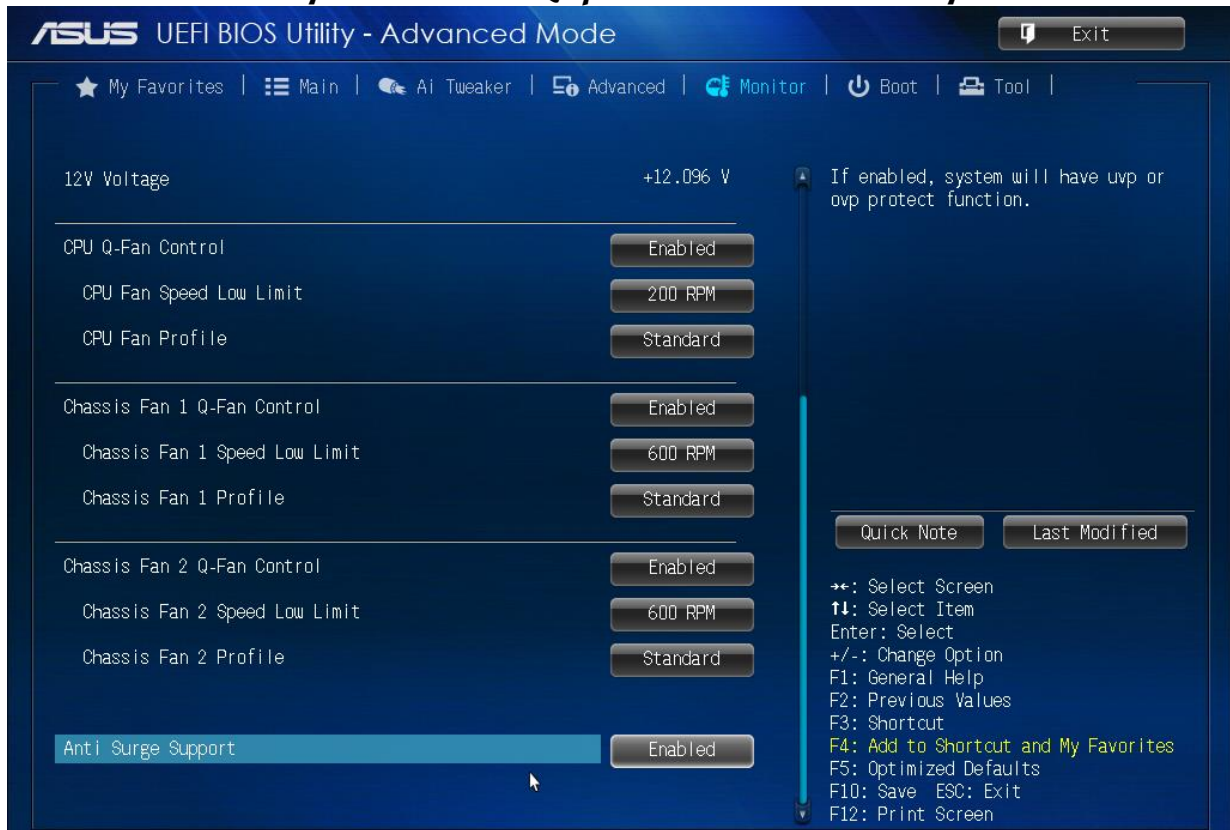
★ My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool

CPU Temperature	+40°C / +104°F	CPU Temperature
CPU Fan Speed	1462 RPM	
Chassis Fan 1 Speed	N/A	
Chassis Fan 2 Speed	4205 RPM	
CPU Input Voltage(VCCIN)	+1.792 V	
CPU Core Voltage	+0.968 V	
3.3V Voltage	+3.408 V	
5V Voltage	+5.040 V	
12V Voltage	+12.096 V	

Quick Note    Last Modified

⇐⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save    ESC: Exit  
 F12: Print Screen

## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS** UEFI BIOS Utility - Advanced Mode Exit

★ My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool

12V Voltage +12.096 V If enabled, system will have uvp or ovp protect function.

CPU Q-Fan Control Enabled

CPU Fan Speed Low Limit 200 RPM

CPU Fan Profile Standard

Chassis Fan 1 Q-Fan Control Enabled

Chassis Fan 1 Speed Low Limit 600 RPM

Chassis Fan 1 Profile Standard

Chassis Fan 2 Q-Fan Control Enabled

Chassis Fan 2 Speed Low Limit 600 RPM

Chassis Fan 2 Profile Standard

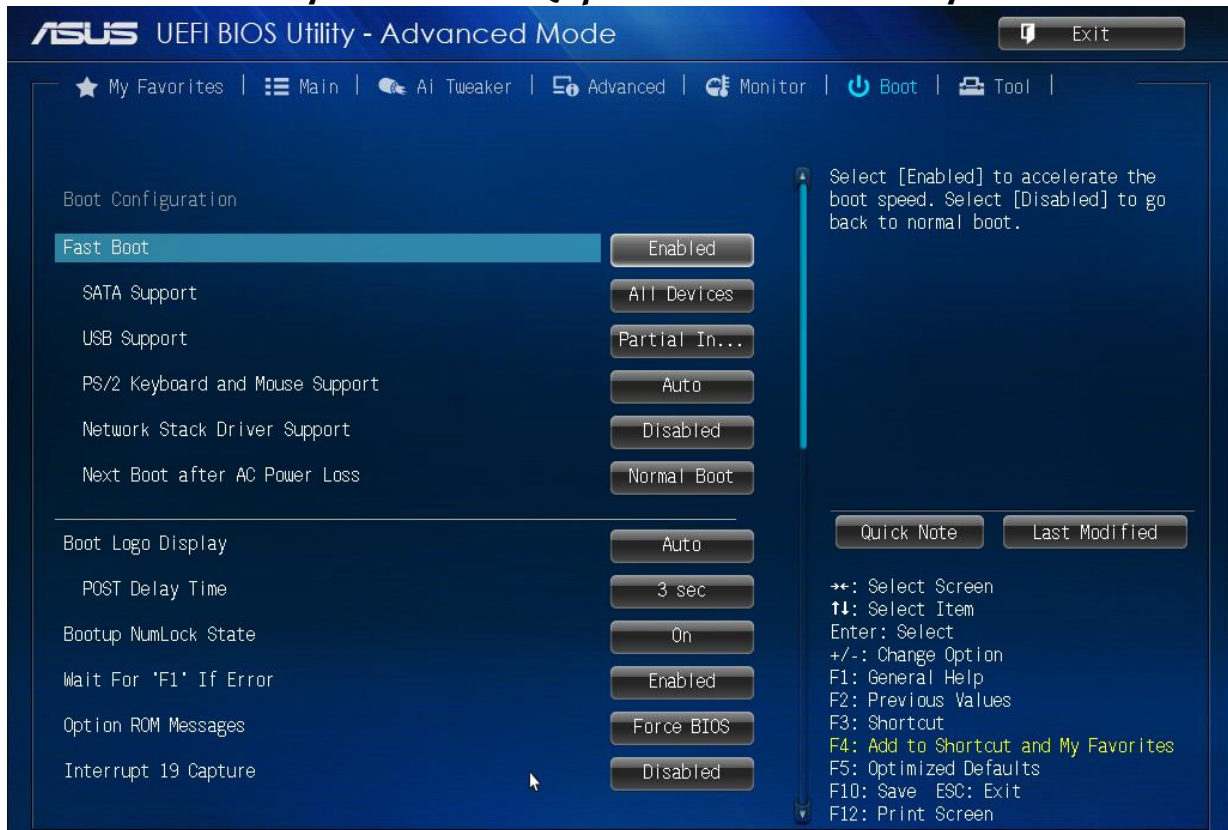
Anti Surge Support Enabled

Quick Note Last Modified

⇐⇐: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Option  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to Shortcut and My Favorites  
F5: Optimized Defaults  
F10: Save ESC: Exit  
F12: Print Screen



## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The interface is dark blue with white text. At the top, the title bar reads "ASUS UEFI BIOS Utility - Advanced Mode" and includes an "Exit" button. Below the title bar, there are navigation tabs: "My Favorites", "Main", "AI Tweaker", "Advanced", "Monitor", "Boot", and "Tool". The "Boot" tab is selected.

The main content area is divided into two columns. The left column lists various boot configuration options, and the right column shows their current settings. A vertical scrollbar is visible on the right side of the settings list.

Setting	Value
Fast Boot	Enabled
SATA Support	All Devices
USB Support	Partial In...
PS/2 Keyboard and Mouse Support	Auto
Network Stack Driver Support	Disabled
Next Boot after AC Power Loss	Normal Boot
Boot Logo Display	Auto
POST Delay Time	3 sec
Bootup NumLock State	On
Wait For 'F1' If Error	Enabled
Option ROM Messages	Force BIOS
Interrupt 19 Capture	Disabled

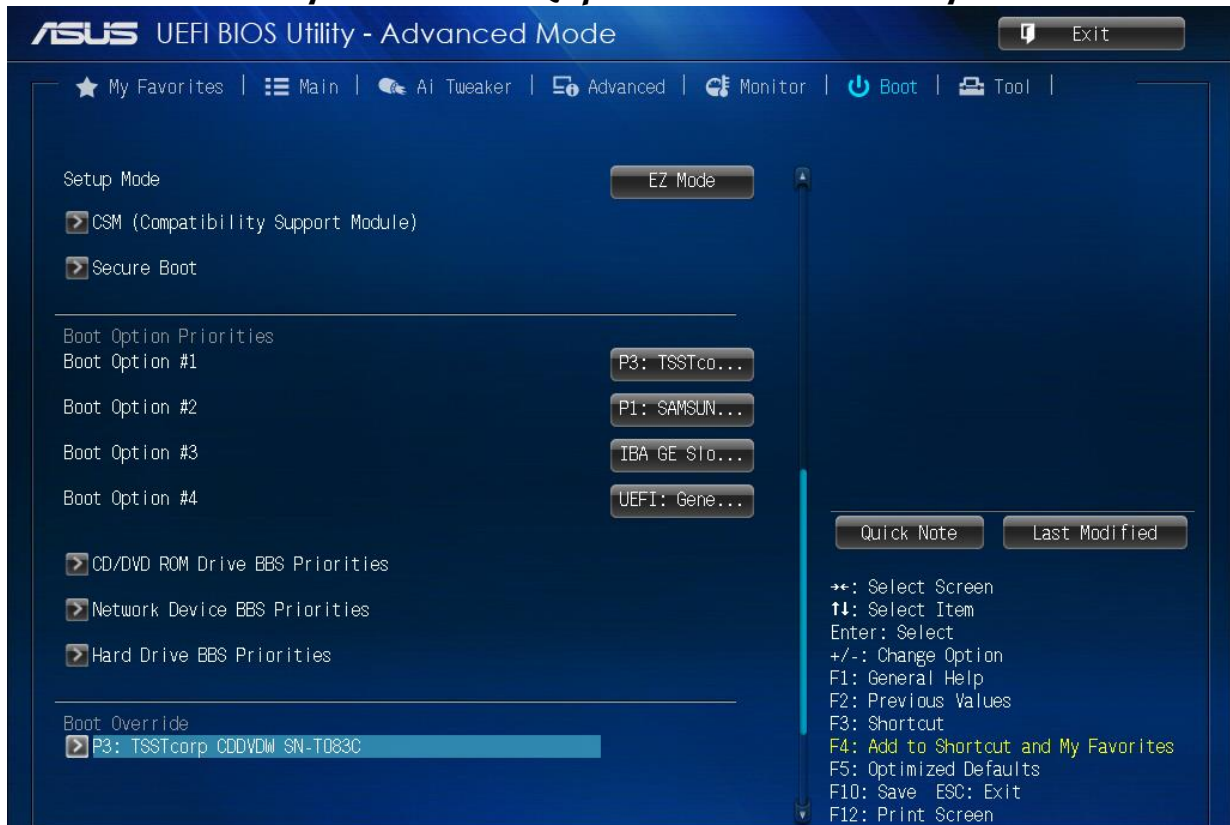
Below the settings list, there are two buttons: "Quick Note" and "Last Modified". To the right of these buttons, a list of keyboard shortcuts is provided:

- ⇐: Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Option
- F1: General Help
- F2: Previous Values
- F3: Shortcut
- F4: Add to Shortcut and My Favorites
- F5: Optimized Defaults
- F10: Save ESC: Exit
- F12: Print Screen

A note on the right side of the screen reads: "Select [Enabled] to accelerate the boot speed. Select [Disabled] to go back to normal boot."

\*POST Delay Time: 5sec configured on BIOS v9035v

## Vig800S – ASUS Q87-E Default BIOS settings




The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The interface is dark blue with white text. At the top, the ASUS logo and 'UEFI BIOS Utility - Advanced Mode' are visible, along with an 'Exit' button. A navigation bar includes 'My Favorites', 'Main', 'AI Tweaker', 'Advanced', 'Monitor', 'Boot', and 'Tool'. The main area is divided into sections: 'Setup Mode' with an 'EZ Mode' button; 'Boot Option Priorities' with four options (P3: TSSTco..., P1: SAMSUN..., IBA GE Slo..., UEFI: Gene...); and 'Boot Override' with a selected option 'P3: TSSTcorp CDDVDW SN-T083C'. A 'Quick Note' and 'Last Modified' button are also present. A legend on the right side lists keyboard shortcuts: \*\* for Select Screen, ↑ for Select Item, Enter for Select, +/- for Change Option, F1 for General Help, F2 for Previous Values, F3 for Shortcut, F4 for Add to Shortcut and My Favorites, F5 for Optimized Defaults, F10 for Save, ESC for Exit, and F12 for Print Screen.

## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode. The interface is dark blue with white and yellow text. At the top, the ASUS logo and 'UEFI BIOS Utility - Advanced Mode' are visible, along with an 'Exit' button. A navigation bar includes 'My Favorites', 'Main', 'AI Tweaker', 'Advanced', 'Monitor', 'Boot', and 'Tool'. The 'Boot' menu is selected, showing 'Boot Option Priorities' with four entries: 'P3: TSSTco...', 'P1: SAMSUN...', 'IBA GE Slo...', and 'UEFI: Gene...'. Below this are expandable sections for 'CD/DVD ROM Drive BBS Priorities', 'Network Device BBS Priorities', and 'Hard Drive BBS Priorities'. The 'Boot Override' section lists several options, with 'UEFI: General UDisk (7680MB)' highlighted. A 'Quick Note' and 'Last Modified' button are present. A legend on the right side lists keyboard shortcuts: ++ for Select Screen, ↑ for Select Item, Enter for Select, +/- for Change Option, F1 for General Help, F2 for Previous Values, F3 for Shortcut, F4 for Add to Shortcut and My Favorites, F5 for Optimized Defaults, F10 for Save ESC for Exit, and F12 for Print Screen.

## Vig800S – ASUS Q87-E Default BIOS settings



The screenshot displays the ASUS UEFI BIOS Utility in Advanced Mode, specifically the 'Boot\ CSM (Compatibility Support Module)' settings page. The interface is dark blue with white and yellow text. At the top, there are navigation tabs: 'My Favorites', 'Main', 'AI Tweaker', 'Advanced', 'Monitor', 'Boot', and 'Tool'. The 'Boot' tab is selected. Below the navigation, the 'Boot\ CSM (Compatibility Support Module)' menu is expanded, showing several options: 'Launch CSM' (set to 'Enabled'), 'Boot Device Control' (set to 'UEFI and L...'), 'Boot from Network Devices' (set to 'Legacy OPR...'), 'Boot from Storage Devices' (set to 'Legacy OPR...'), and 'Boot from PCI-E/PCI Expansion Devices' (set to 'Legacy OPR...'). To the right of these settings, there is a detailed description of the CSM (Compatibility Support Module) and its various modes: [Auto], [Enabled], and [Disabled]. Below the description are two buttons: 'Quick Note' and 'Last Modified'. At the bottom right, there is a list of keyboard shortcuts for navigating the BIOS. At the bottom of the screen, the version number 'Version 2.10.1208' and copyright information 'Copyright (C) 2013 American Megatrends, Inc.' are displayed.

ASUS UEFI BIOS Utility - Advanced Mode

My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool

Boot\ CSM (Compatibility Support Module) >

Launch CSM	Enabled
Boot Device Control	UEFI and L...
Boot from Network Devices	Legacy OPR...
Boot from Storage Devices	Legacy OPR...
Boot from PCI-E/PCI Expansion Devices	Legacy OPR...

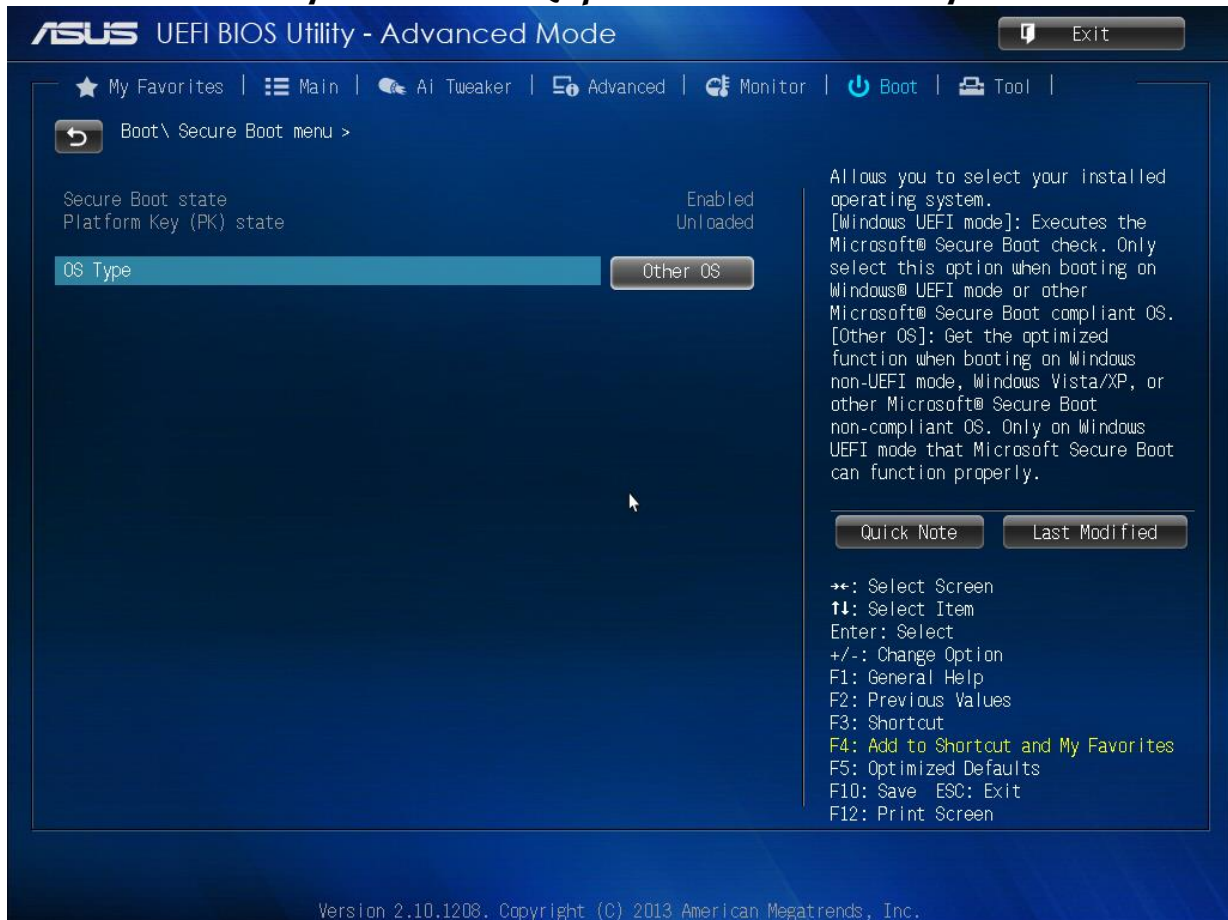
CSM (Compatibility Support Module)  
[Auto]: The system automatically detects the bootable devices and the add-on devices.  
[Enabled]: For better compatibility, enable the CSM to fully support the non-UEFI driver add-on devices, or the Windows UEFI mode.  
[Disabled]: Disable the CSM to fully support the Windows Security Update and Security Boot.

Quick Note | Last Modified

⇐: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Option  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to Shortcut and My Favorites  
F5: Optimized Defaults  
F10: Save ESC: Exit  
F12: Print Screen

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## Vig800S – ASUS Q87-E Default BIOS settings



**ASUS UEFI BIOS Utility - Advanced Mode** [Exit]

★ My Favorites | Main | AI Tweaker | Advanced | Monitor | Boot | Tool

Boot\ Secure Boot menu >

Secure Boot state: Enabled  
Platform Key (PK) state: Unloaded

OS Type: [Other OS]

Allows you to select your installed operating system.  
 [Windows UEFI mode]: Executes the Microsoft® Secure Boot check. Only select this option when booting on Windows® UEFI mode or other Microsoft® Secure Boot compliant OS.  
 [Other OS]: Get the optimized function when booting on Windows non-UEFI mode, Windows Vista/XP, or other Microsoft® Secure Boot non-compliant OS. Only on Windows UEFI mode that Microsoft Secure Boot can function properly.

Quick Note | Last Modified

⇐: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Option  
 F1: General Help  
 F2: Previous Values  
 F3: Shortcut  
 F4: Add to Shortcut and My Favorites  
 F5: Optimized Defaults  
 F10: Save ESC: Exit  
 F12: Print Screen

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