

# Quick Installation Guide

## Introduction

Pluto E220 is built around the latest generation of Intel's Baytrail. Baytrail has been improved 3D graphics performance with up to 5x more power and 2x greater CPU performance over previous generation. The whole new SOC structure packs more powerful capability for your tasks or applications.

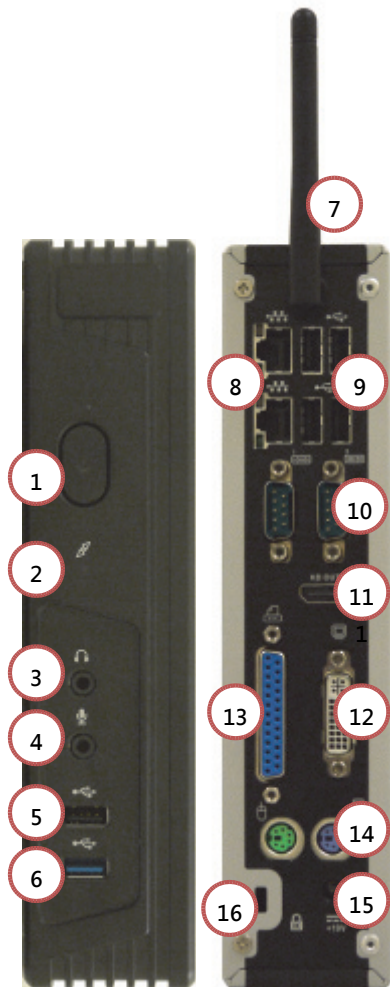
## E220 Specification

Item	Spec	Optional
Processor	Intel Bay Trail Desktop J1900	J1800,
Chipset	SoC	
OS support	Linux, Win 7, Win 8, Android	
PCB	Mini-ITX proprietary, 4 layer, 182mm x 185mm	
Memory	DDR3L 1333/1600(runs at 1333 MHz) SO-DIMMs, (2 x So-DIMM slot, up to 8GB)	
LAN	Realtek RTL8111E GLAN x2	Single LAN
Audio	Realtek ALC-662	
Storage	SATA DOM or 2.5" SATA HDD/SSD or mSATA	
Mini Card	1 Full-length for mSATA One-sided screw 1 Half-length for wireless module	
WLAN Support	For 802.11 b, g, n	Wireless Card Antenna
Display interface	1 x DVI-I, 1 x HD Out	
SPI Flash	16Mb	
Front I/O	1 x USB3.0, 1 x USB2.0, MIC-in, Headphone-out, power button	
Rear I/O	2 x PS/2, 4 x USB2.0 ,1 x Ethernet RJ45, 1 x DVI-I,1 x HD out, 2 x Serial Port,1 x DC jack, 1 x Kensington lock	Parallel Port can be removed

<b>Internal speaker</b>	1 x Buzzer As default	Speaker is the option
<b>Power supply</b>	65W, 19V, Power Adapter	
<b>Environment</b>	Fanless System Temp: 10 Degree C~ 35 Degree C Humidity: 20%~85% Non-Condensing MB Temp: 0~60 Degree C	
<b>VESA Mount</b>	Yes (100mmx100mm)	
<b>VESA Bracket</b>	Support 75x75 and 100x100 VESA standard	
<b>Stand</b>	For vertical use	

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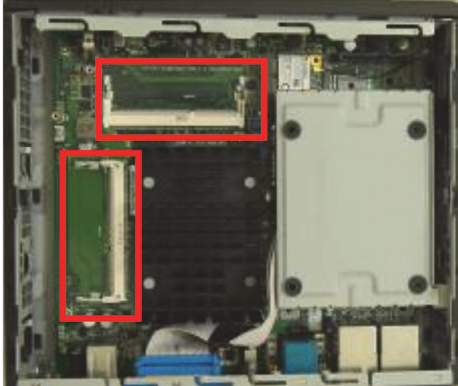
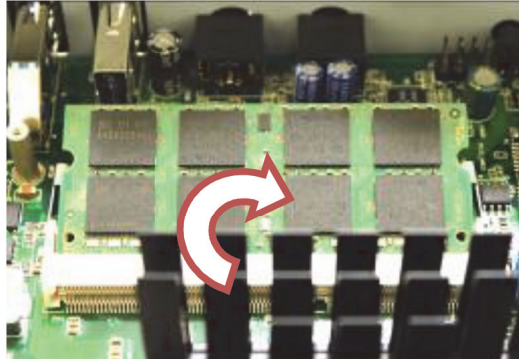
# Interface



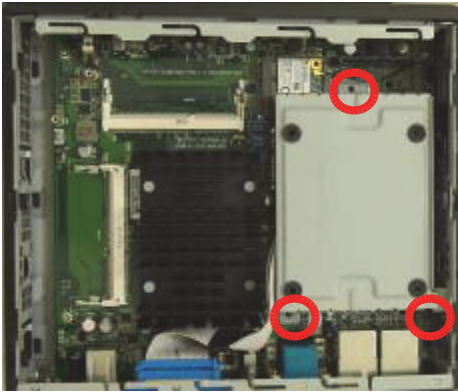
1	Power Button
2	LED Indicator
3	Earphone Jack
4	Microphone Jack
5	USB 2.0 Port
6	USB 3.0 Port
7	WiFi Antenna(Optional)
8	RJ45 (2 <sup>nd</sup> is optional)

9	USB 2.0
10	Serial Ports
11	HD Out
12	DVI-I
13	Parallel Ports(Optional)
14	PS/2
15	DC-in
16	For Kensington Lock

# Installation

	Unscrew the side cover
	Pull back to uncover
RAM Installation	
	The RAM sockets are near to CPU heatsink
	Install the RAM and push to click

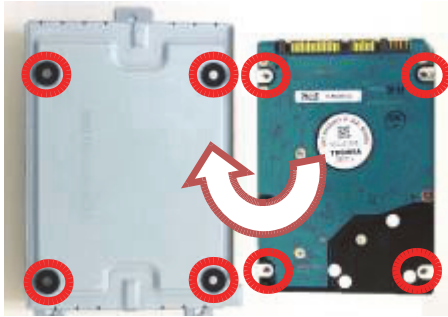
## HDD/SDD Installation



Use the HDD bracket for the HDD installation.

Unscrew to detach the bracket

If you want to install the SATA DOM, just remove the bracket and install the DOM to the SATA connector.



Align the screw holes for HDD and bracket



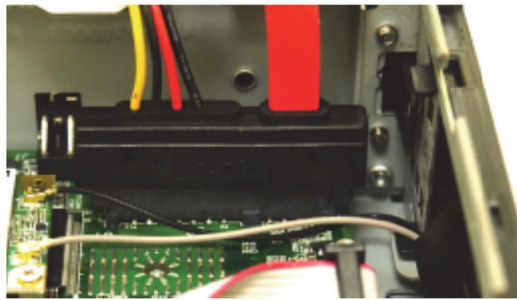
Fix the HDD with screws on the back side of the bracket



Finish the HDD bracket assembly



Connect the HDD SATA cable



Connect the other side of the cable to the MB

# E220 BIOS Setup Specification



Rev: R0.03

# 1. Date: 11/05/2013 Main Page

Main		Advanced	Device	Chipset	Security	Boot	Save & Exit
<b>BIOS Information</b>							<b>Item help</b>
<b>BIOS Vender</b>	<b>American Megatrends</b>						
<b>Core Version</b>	<b>5.012</b>						
<b>Compliancy</b>	<b>UEFI 2.3; PI 1.2</b>						
<b>BIOS Version</b>	<b>D7300X09</b>						
<b>Build Date and Time</b>	<b>10/09/2013</b>						
<b>19:02:20</b>							
<b>Processor Information</b>							
<b>Intel(R) Celeron(R) CPU J1750 @ 2.41GHz</b>							
<b>Microcode Revision</b>	<b>216</b>						
<b>System Language</b>	<b>[English]</b>						
<b>System Date</b>	<b>[Mon mm/dd/yyyy]</b>						
<b>System Time</b>	<b>[hh: mm:ss]</b>						
<b>Lan0 MAC Address</b>	<b>XX-XX-XX-XX-XX-XX</b>						
<b>Lan1 MAC Address</b>	<b>XX-XX-XX-XX-XX-XX</b>						
<b>Access Level</b>	<b>Administrator</b>						
→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit							
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Field Name	<b>BIOS Vender</b>
Default Value	AMI Megatrends
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Core Version</b>
Default Value	5.008
Comment	This field is not selectable. There is no help text associated with it.



Field Name	<b>Complacency</b>
Default Value	UEFI 2.3; PI 1.2
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>BIOS Version</b>
Default Value	Display the version of the BIOS
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Build Date and Time</b>
Default Value	Display build date and time of the BIOS
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Processor Information</b>
Value	Display the installed CPU brand.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Microcode Revision</b>
Value	Display processor micro-code revision.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>System Date</b>
Default Value	[xxx, mm dd yyyy]
Possible Value	[xxx, xx:xx:xxxx]
Help	Set the Date. Use Tab to switch between Date elements.

Field Name	<b>System Time</b>
Default Value	[hh :mm :ss]
Possible Value	[xx :xx :xx]
Help	Set the Time. Use Tab to switch between Time elements.

Field Name	<b>LAN0 MAC Address</b>
Value	Display Lan0 MAC address
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>LAN1 MAC Address</b>
Value	Display Lan1 MAC address

Comment	This field is not selectable. There is no help text associated with it.
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Field Name	<b>Access Level</b>
Value	Display Access Level info.
Comment	This field is not selectable. There is no help text associated with it.

## 2. Advanced Page

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
<ul style="list-style-type: none"> <li>▶ SMART Settings</li> <li>▶ Super IO Configuration</li> <li>▶ Intel(R) Smart Connect Technology</li> <li>▶ S5 RTC Wake Settings</li> <li>▶ Processor Information</li> <li>▶ PPM Configuration</li> <li>▶ SATA Configuration</li> <li>▶ Network Stack Configuration</li> <li>▶ CSM Configuration</li> </ul> <p><b>▶ USB Configuration</b></p> <ul style="list-style-type: none"> <li>▶ Security Configuration</li> </ul>						<p><b>Item help</b></p>
						<p>→←: Select Screen</p> <p>↑↓: Select Item</p> <p>Enter: Select</p> <p>+/- : Change Opt</p> <p>F1: General Help</p> <p>F2: Previous Values</p> <p>F3: Optimized Defaults</p> <p>F4: Save &amp; Reset</p> <p>ESC: Exit</p>
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Field Name	<b>SMART Settings</b>
Help	System SMART Settings
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>Super IO Configuration</b>
Help	System Super IO Chip Parameters
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>Intel(R) Smart Connect Technology</b>
Help	Intel (R) Smart Connect Technology Settings
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>S5 RTC Wake Settings</b>
Help	Enable system to wake from S5 using RTC alarm
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>Processor Information</b>
Help	Processor Information Parameters.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>PPM Configuration</b>
Help	PPM Configuration Parameters
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>SATA Configuration</b>
Help	IDE Devices Configuration
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>Network Stack Configuration</b>
Help	Network Stack Settings
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>CSM Configuration</b>
Help	CSM configuration: Enable/Disable, Option ROM execution settings, etc.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>USB Configuration</b>
Help	USB Configuration Parameters.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>Security Configuration</b>
Help	Intel(R) Anti-Theft Technology Configuration.
Comment	Press Enter when selected to go into the associated Sub-Menu.

## 2.1 SMART Settings

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
<b>SMART settings</b>						<b>Item help</b>
SMART Self Test						[Disabled]
						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>SMART Settings</b>
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Field Name	<b>SMART Self Test</b>
Default Value	[Disabled]
Possible Value	Enabled Disabled
Help	Run SMART Self Test on all HDDs during POST.

## 2.2 Super IO Configuration

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
<b>Super IO Configuration</b>						<b>Item help</b>
<b>Super IO Chip</b>			<b>W83627DHG</b>			
<b>Serial Port 1 Configuration</b>						
Serial Port			[Enabled]			
<b>Device Settings</b>			<b>IO=xxx</b>			→←: Select Screen
<b>Serial Port 2 Configuration</b>						↑↓: Select Item
Serial Port			[Enabled]			Enter: Select
<b>Device Settings</b>			<b>IO=xxx</b>			+/- : Change Opt
<b>Parallel Port Configuration</b>						F1: General Help
Parallel Port			[Enabled]			F2: Previous Values
<b>Device Settings</b>			<b>IO=xxx</b>			F3: Optimized Defaults
Device Mode			[STD Printer Mode]			F4: Save & Reset
						ESC: Exit
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Field Name	<b>Super IO Chip</b>
Value	Display Super IO Chip name
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Serial Port 1 Configuration</b>
Value	Display Serial Port 1 Configuration
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Serial Port</b>
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	Enable or Disable Serial Port (COM)

Field Name	<b>Device Settings</b>
Value	Display Serial Port 1 Configuration
Comment	This field is not selectable. There is no help text associated with it.

### 2.3 Intel(R) Smart Connect Technology

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
ISCT Support						[Disabled]
						<b>Item help</b>
						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>ISCT Support</b>
Default Value	[Disabled]
Possible Value	Enabled Disabled
Help	Enable/Disable ISCT Support



## 2.4 S5 RTC Wake Setting

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
Wake system from S5						[Disabled]
						<b>Item help</b>
						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>Wake system from S5</b>
Default Value	[Disabled]
Possible Value	Disabled Fixed Time Dynamic Time
Help	Enabler or disable System wake on alarm event, Select FixedTime, system will wake on the hr::min::sec specified. Select DynamicTime , system will wake on the current time + Increase minute (s)

## 2.5 Processor Information

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
Processor Information						<b>Item help</b>
Intel(R) Celeron(R) CPU J1750 @ 2.41GHz						
CPU Signature				30672		
Microcode Patch				216		
Max CPU Speed				2410 MHz		
Min CPU Speed				500 MHz		
Processor Cores				2		
Intel HT Technology				Not Supported		
Intel VT-x Technology				Supported		
L1 Data Cache				24 KB x 2		
L1 Code Cache				32 KB x 2		
L2 Cache				1024 KB x 1		
L3 Cache				Not Present		
CPU Speed				2418 MHz		
64-bit				Supported		
Active Processor Cores				[All]		
Execute Disable Bit				[Enabled]		
Intel Virtualization Technology				[Enabled]		
						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>Processor Information</b>
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Field Name	<b>CPU Signature</b>
Default Value	Displays CPU Signature
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Microcode Patch</b>
Default Value	CPU Microcode Patch Revision
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Max CPU Speed</b>
Default Value	Displays the Max CPU Speed
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Min CPU Speed</b>
Default Value	Displays the Min CPU Speed
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Processor Cores</b>
Default Value	Displays number of cores.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Intel HT Technology</b>
Default Value	When Hyper-threading is enabled, 2 logical CPUS per core is present.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Intel VT-x Technology</b>
Default Value	CPU VMX hardware support for virtual machines.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>L1 Data Cache</b>
Default Value	L1 Data Cache Size
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>L1 Code Cache</b>
Default Value	L1 Code Cache Size
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>L2 Cache</b>
Default Value	L2 Cache Size
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>L3 Cache</b>
Default Value	L3 Cache Size
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>CPU Speed</b>
Default Value	Displays the CPU Speed
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>64-bit</b>
Default Value	Displays if 64-bit supported
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Active Processor Cores</b>
Default Value	[All]
Possible Value	All 1
Help	Number of cores to enable in each processor package.

Field Name	<b>Execute Disable Bit</b>
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	XD can prevent certain classes of malicious buffer overflow attacks when combined with a supporting OS (Windows Server 2003 SP1, Windows XP SP2, SuSE Linux 9.2, RedHat Enterprise 3 Update 3.)

Field Name	<b>Intel Virtualization Technology</b>
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	When enabled, a VMM can utilize the additional hardware capabilities provided by Vanderpool Technology.

## 2.6 PPM Configuration

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
PPM Configuration						<b>Item help</b>
EIST						[Enabled]
CPU C state Report						[Enabled]
Enhanced C state						[Enabled]
Max CPU C-state						[ C7]
						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>PPM Configuration</b>
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Field Name	<b>EIST</b>
Default Value	[Enabled]
Possible Value	Disabled / Enabled
Help	Enable/Disable Intel SpeedStep.

Field Name	<b>CPU C state Report</b>
Default Value	[Enabled]
Possible Value	Disabled / Enabled
Help	Enable/Disable CPU C state report to OS.

Field Name	<b>Enhanced C state</b>
Default Value	[Disabled]
Possible Value	Disabled / Enabled
Help	Enable/Disable Enhanced CPU C state

Field Name	<b>Max CPU C-state</b>
Default Value	[C7]
Possible Value	C7 / C6
Help	This option control Max C state that the processor will support

## 2.7 SATA Configuration

Main	Advanced	Chipset	Boot	Security	Save & Exit
SATA Configuration					<b>Item help</b>
Serial-ATA (SATA) [Enabled]					
SATA mode [AHCI Mode]					
Serial-ATA Port 0 [Enabled]					
Serial-ATA Port 1 [Enabled]					
SATA Port0 Not Present					→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
SATA Port1 INTEL SSDSC2BW (120.0GB)					
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Field Name	<b>Serial-ATA (SATA)</b>
Default Value	[Enabled]
Possible Value	Enabled / Disable
Help	Enable / Disable Serial ATA

Field Name	<b>SATA Mode</b>
Default Value	[AHCI Mode]
Possible Value	IDE Mode / AHCI Mode
Help	Select IDE / AHCI

Field Name	<b>Serial-ATA Port 0</b>
Default Value	[Enabled]
Possible Value	Enabled / Disable
Help	Enable / Disable Serial ATA Port 0

Field Name	<b>Serial-ATA Port 1</b>
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Default Value	[Enabled]
Possible Value	Enabled / Disable
Help	Enable / Disable Serial ATA Port 1

Field Name	<b>Serial ATA Port 0</b>
Default Value	Not Present
Possible Value	SATA Device Model Name

Field Name	<b>Serial ATA Port 1</b>
Default Value	Not Present
Possible Value	SATA Device Model Name



## 2.8 Network Stack Configuration

Main	Advanced	Device	Chipset	Secur Boot ity	Save & Exit
Network Stack				[Disabled]	<b>Item help</b>
Ipv4 PXE Support				[Enabled]	
Ipv6 PXE Support				[Enabled]	
PXE boot wait time				0	
					→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>Network Stack</b>
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	Enable/Disable UEFI Network Stack

Field Name	<b>Ipv4 PXE Support</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable Ipv4 PXE Boot Support. If disabled IPV4 PXE boot option will not be created.

Field Name	<b>Ipv6 PXE Support</b>
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Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable Ipv6 PXE Boot Support. If disabled IPV6 PXE boot option will not be created.

Field Name	<b>PXE boot wait time</b>
Default Value	[0]
Possible Value	0~5
Help	Wait time to press ESC key to abort the PXE boot

## 2.9 CSM Configuration

Main	Advanced	Device	Chipset	Secur Boot ity	Save & Exit
<b>Compatibility Support Module Configuration</b>					<b>Item help</b>
CSM Support				[Disabled]	
<b>CSM Module Version</b>				<b>41.32</b>	
GateA20 Active				[Upon Request]	
Option ROM Message				[Force BIOS]	
INT19 Trap Response				[Immediate]	
Boot option filter				[UEFI and Legacy]	→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
<b>Option ROM execution order</b>					
Network				[UEFI only]	
Storage				[UEFI only]	
Video				[UEFI first]	
Other PCI devices				[UEFI first]	
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Field Name	<b>Compatibility Support Module Configuration</b>
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Field Name	<b>CSM Support</b>
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	Enable / Disable CSM Support.

Field Name	<b>CSM16 Module Version</b>
Default Value	41.32
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>GateA20 Active</b>
Default Value	[Upon Request]
Possible Value	Upon Request Always
Help	UPON REQUEST - GA20 can be disabled using BIOS services. ALWAYS - do not allow disabling GA20; this option is useful when any RT code is executed above 1MB..

Field Name	<b>Option ROM Message</b>
Default Value	[Force BIOS]
Possible Value	Force BIOS Keep Current
Help	Set display mode for Option ROM

Field Name	<b>INT19 Trap Response</b>
Default Value	[Immediate]
Possible Value	Immediate Postponed
Help	BIOS reaction on INT19 trapping by Option ROM: IMMEDIATE - execute the trap right away; POSTPONED - execute the trap during legacy boot.

Field Name	<b>Compatibility Support Module Configuration</b>
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Field Name	<b>Network</b>
Default Value	[UEFI only]
Possible Value	Do not launch UEFI only Legacy only Legacy first UEFI first
Help	Controls the execution of UEFI and Legacy PXE OpROM

Field Name	<b>Storage</b>
Default Value	[UEFI only]
Possible Value	Do not launch UEFI only

	Legacy only Legacy first UEFI first
Help	Controls the execution of UEFI and Legacy Storage OpROM

Field Name	<b>Video</b>
Default Value	[UEFI first]
Possible Value	Do not launch UEFI only Legacy only Legacy first UEFI first
Help	Controls the execution of UEFI and Legacy Video OpROM

Field Name	<b>Other PCI devices</b>
Default Value	[UEFI first]
Possible Value	Do not launch UEFI only Legacy only Legacy first UEFI first
Help	Determines OpROM execution policy for devices other than Network, Storage, or Video

## 2.10 USB Configuration

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
<b>USB Configuration</b>						<b>Item help</b>
USB Devices						8.10.27
USB Devices: 1 Keyboard, 1 Mouse, 2 Hubs						
Legacy USB Support						[Enabled]
USB3.0 Support						[Enabled]
XHCI Hand-off						[Enabled]
EHCI Hand-off						[Disabled]
USB Mass Storage Driver Support						[Enabled]
						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
Version 2.15.1326. Copyright (C) 2012 American Megatrends, Inc.						

Field Name	<b>USB Configuration</b>
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Field Name	<b>USB Module Version</b>
Default Value	USB module version
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>USB Devices:</b>
Default Value	Connect USB device type
Comment	This field is not selectable. There is no help text associated with it.

Field Name	<b>Legacy USB Support</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled Auto

Help	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.
------	--

Field Name	<b>USB3.0 Support</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable/Disable USB3.0 (XHCI) Controller support.

Field Name	<b>XHCI Hand-off</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	This is a workaround for OSes without XHCI hand-off support. The XHCI ownership change should be claimed by XHCI driver.

Field Name	<b>EHCI Hand-off</b>
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	This is a workaround for OSes without EHCI hand-off support. The EHCI ownership change should be claimed by EHCI driver.

Field Name	<b>USB Mass Storage Driver Support</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable/Disable USB Mass Storage Driver Support.

## 2.11 Security Configuration

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
Intel(R) TXE Configuration						<b>Item help</b>
TXE				[Enabled]		
TXE HMRFP0				[Disabled]		
TXE Firmware Update				[Disabled]		
TXE EOP Message				[Enabled]		
TXE Unconfiguration Perform						
Intel(R) TXE Configuration						<b>→←: Select Screen</b> <b>↑↓: Select Item</b> <b>Enter: Select</b> <b>+/- : Change Opt</b> <b>F1: General Help</b> <b>F2: Previous Values</b> <b>F3: Optimized Defaults</b> <b>F4: Save &amp; Reset</b> <b>ESC: Exit</b>
TXE HMRFP0				[Disabled]		
TXE HMRFP0				[Enabled]		
Intel(R) TXE Configuration				[Disable]		
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Field Name	<b>Intel(R) TXE Configuration</b>
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Field Name	<b>TXE</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	

Field Name	<b>TXE HMRFP0</b>
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	

Field Name	<b>TXE Firmware Update</b>
Default Value	[Disabled]



Possible Value	Disabled Enabled
Help	

Field Name	<b>TXE EOP Message</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Send EOP Message Befor Enter OS

Field Name	<b>TXE Unconfiguration Perform</b>
Default Value	
Help	Revert TXE settings to factory defaults

Field Name	<b>Intel(R) Anti-Theft Technology Configuration</b>
------------	---

Field Name	<b>Intel(R) AT</b>
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	Enable/Disable BIOS AT Code from Runing

Field Name	<b>Intel(R) AT Platform PBA</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable/Disable BIOS AT Code from Runing

Field Name	<b>Intel(R) AT Suspend Mode</b>
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	Request that platform enter AT Suspend Mode - Only Available when AT Enrolled

### 3. Device Page

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
AC Power Loss State			[Last State]		<b>Item help</b>	
Wireless RF			[Enabled]			
Onboard Lan 0 Controller			[Enabled]			
Wake On Lan from Lan 0			<b>[Enabled]</b>		→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit	
Onboard Lan 1 Controller			[Enabled]			
Wake On Lan from Lan 1			[Enabled]			
▶ H/W Monitor ▶ TXE Subsystem						
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Field Name	<b>AC Power Loss State</b>
Default Value	[Last State]
Possible Value	Power off Power on Last State
Help	Set the state after power loss.

Field Name	<b>Wireless RF</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable or disable Wireless RF.

Field Name	<b>Onboard LAN 0 Controller</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled

Help	Enable or disable onboard NIC.
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Field Name	<b>Wake On LAN from LAN 0</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable or disable WOL from LAN 0 Device.

Field Name	<b>Onboard LAN 1 Controller</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable or disable onboard NIC.

Field Name	<b>Wake On LAN from LAN 1</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable or disable WOL from LAN 1 Device.

Field Name	<b>H/W Monitor</b>
Help	Monitor hardware status
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>TXE Subsystem</b>
Help	Intel Trusted Execution Engine Parameters
Comment	Press Enter when selected to go into the associated Sub-Menu.

### 3.1 H/W Monitor

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
PC Health Status						<b>Item help</b>
CPU temperature : +32						→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt  F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
SO-DMII temperature : +32						
VR temperature : +32						
SOC_CPU Volt : +x.xxx V						
SOC_CORE Volt : +x.xxx V						
SOC_I/O Volt : +X.XXX V						
Adapter Volt : +x.xxx V						
DDR_MEM Volt : +x.xxx V						
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Field Name	<b>PC Health Status</b>
------------	-------------------------

Field Name	<b>CPU temperature</b>
Possible Value	Show CPU temperature

Field Name	<b>SO-DIMM temperature</b>
Possible Value	Show SO-DIMM temperature

Field Name	<b>VR temperature</b>
Possible Value	Show VR temperature

Field Name	<b>SOC_CPU Volt.</b>
Possible Value	Show SOC_CPU Volt

Field Name	<b>SOC_CORE Volt.</b>
Possible Value	Show SOC_CORE Volt

Field Name	<b>SOC_I/O Volt.</b>
Possible Value	Show SOC_I/O Volt

Field Name	<b>Adapter Volt.</b>
Possible Value	Show Adapter Volt

Field Name	<b>DDR_MEM Volt.</b>
Possible Value	Show DDR_MEM Volt

### 3.2 TXE Subsystem

Main	Advanced	Device	Chipset Security	Boot	Save & Exit
TXE Information					<b>Item help</b>
Sec RC Versio			00.05.00.00		
TXE FW Version			1.00.02.1060		
					→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>TXE Information</b>
------------	------------------------

Field Name	<b>Sec RC Version</b>
Possible Value	Show Sec RC Version

Field Name	<b>TXE FW Version</b>
Possible Value	Show TXE FW Version

## 4. Chipset Page

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
Memory Information						<b>Item help</b>
Total Memory				8192 MB (LPDDR3)		→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
Memory Slot0				4096 MB (LPDDR3)		
Memory Slot1				4096 MB (LPDDR3)		
DVMT Pre-Allocated				[64MB]		
DVMT Total Gfx Mem				[256MB]		
Audio Controller				[Enable]		
Azalia HDMI Codec				[Enable]		
USB Per Port Control				<b>[Enable]</b>		
USB Port 0				[Enable]		
USB Port 1				[Enable]		
USB Port 2				[Enable]		
USB Port 3~5				[Enable]		
High Precision Timer				[Enable]		
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Field Name	<b>Memory Information</b>
------------	---------------------------

Field Name	<b>Total Memory</b>
Possible Value	Show current total memory in system

Field Name	<b>Memory Slot0</b>
Possible Value	Show current memory slot0 information

Field Name	<b>Memory Slot1</b>
Possible Value	Show current memory slot1 information

Field Name	<b>DVMT Pre-Allocated</b>
Default Value	[64MB]
Possible Value	64MB / 96MB / 128MB / 256MB / 384MB
Help	Select DVMT 5.0 Pre-Allocated (Fixed) Graphics Memory size used by the Internal Graphics Device.

Field Name	<b>DVMT Total Gfx Mem</b>
Default Value	[256MB]
Possible Value	128MB / 256MB / Max
Help	Select DVMT 5.0 Total Graphic Memory size used by the Internal Graphics Device.

Field Name	<b>Audio Controller</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Control Detection of the Azalia device. Disabled = Azalia will be unconditionally disabled. Enabled = Azalia will be unconditionally Enabled. Auto = Azalia will be enabled if present disabled otherwise.

Field Name	<b>Azalia HDMI Codec</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable/Disable internal HDMI codec for Azalia

Field Name	<b>USB Per Port Control</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Control each of the USB ports (0~3). Enable:Enable USB per port; Disable: Use USB port X settings

Field Name	<b>USB Port 0</b>
Default Value	[Enabled]
Possible Value	Disabled



	Enabled
Help	Enable / Disable USB Port 0

Field Name	<b>USB Port 1</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable / Disable USB Port 1

Field Name	<b>USB Port 2</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable / Disable USB Port 2

Field Name	<b>USB Port 3~5</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable / Disable USB Port 3~5

Field Name	<b>High Precision Timer</b>
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable or Disable the High Precision Event Timer



	<b>P0: WDC WD6400AA</b>
Help	Set HDD password
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	<b>Secure Boot menu</b>
Help	Customizable Secure Boot settings.
Comment	Press Enter when selected to go into the associated Sub-Menu.

## 5.1 HDD Security Configuration

Main	Advanced	Chipset	Boot	Security	Save & Exit
<p>HDD Password Description</p> <p>Allow Access to Set, Modify and Clear Hard Disk User and Master Password. User Password need to be installed for Enabling Security. Master Password can Be Modified only when successfully unlocked With Master Password in POST.</p> <p>HDD PASSWORD CONFIGURATION:</p> <p>Security Supported : Yes</p> <p>Security Enabled : No</p> <p>Security Locked : No</p> <p>Security Frozen : No</p> <p>HDD User Pwd Status : NOT INSTALLED</p> <p>HDD Master Pwd Status : NOT INSTALLED</p> <p><a href="#">Set User Password</a></p>					<p><b>Item help</b></p> <p>→←: <b>Select Screen</b></p> <p>↑↓: <b>Select Item</b></p> <p>Enter: <b>Select</b></p> <p>+/- : <b>Change Opt</b></p> <p>F1: <b>General Help</b></p> <p>F2: <b>Previous Values</b></p> <p>F3: <b>Optimized Defaults</b></p> <p>F4: <b>Save &amp; Reset</b></p> <p>ESC: <b>Exit</b></p>
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Field Name	<b>Set User Password</b>
Help	Set HDD User Password
Comment	Press Enter when selected to go into the associated Sub-Menu.

## 5.2 Secure Boot menu

Main	Advanced	Chipset	Boot	Security	Save & Exit
System Mode Setup Secure Boot Disabled  Secure Boot Support [Disabled]  Secure Boot Mode [Custom] ► Key Management					<b>Item help</b>  →←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	<b>Secure Boot Control</b>
Default Value	[Disabled]
Possible Value	Enabled / Disabled
Help	Secure Boot can be enabled if 1.System running in User mode with enrolled Platform Key(PK) 2.CSM function is disabled

Field Name	<b>Secure Boot Mode</b>
Default Value	[Custom]
Possible Value	Standard / Custom
Help	Secure Boot mode selector. 'Custom' Mode allows physically present users ability to override Image Execution policy and manage Secure Boot Keys.



## 5.2.1 Key Management

Main	Advanced	Chipset	Boot	Security	Save & Exit
Default Key Provisioning [Disabled]					<b>Item help</b>
<ul style="list-style-type: none"> <li>▶ Enroll All Factory Default Keys</li> <li>▶ Save All Secure Boot Variables</li> </ul>					
Platform Key (PK) NOT INSTALLED					→←: <b>Select Screen</b> ↑↓: <b>Select Item</b> Enter: <b>Select</b> +/- : <b>Change Opt</b> F1: <b>General Help</b> F2: <b>Previous Values</b> F3: <b>Optimized Defaults</b>  F4: <b>Save &amp; Reset</b> ESC: <b>Exit</b>
<ul style="list-style-type: none"> <li>▶ Delete PK</li> <li>▶ Set new PK</li> </ul>					
Key Exchange Key Database (KEK) NOT INSTALLED					
<ul style="list-style-type: none"> <li>▶ Delete KEK</li> <li>▶ Set new KEK</li> <li>▶ Append Var to KEK</li> </ul>					
Authorized Signature Database(DB) NOT INSTALLED					
<ul style="list-style-type: none"> <li>▶ Delete DB</li> <li>▶ Set new DB</li> <li>▶ Append Var to DB</li> </ul>					
Forbidden Signature Database(DBX) NOT INSTALLED					
<ul style="list-style-type: none"> <li>▶ Delete DBX</li> <li>▶ Set new DBX</li> <li>▶ Append Var to DBX</li> </ul>					
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Field Name	<b>Default Key Provisioning</b>
Default Value	[Disabled]
Possible Value	Enabled / Disabled
Help	Install Factory default Secure Boot Keys when System is in Setup Mode.

Field Name	<b>Enroll All Factory Default Keys</b>
Help	Force System to User Mode - install all Factory Default

	keys(PK,KEK,db,dbx,dbt). Change takes effect after reboot.
Comment	

Field Name	<b>Delete All Factory Default Key</b>
Help	Force System to User Mode - clear all Factory Default keys(PK,KEK,db,dbx). Change takes effect after reboot
Comment	

Field Name	<b>Save All Secure Boot Variables</b>
Help	Store content of each Secure Boot Variable(data formatted as EFI_SIGNATURE_LIST) to a file with matching name on selected file system
Comment	

Field Name	<b>Delete PK</b>
Help	Delete the Variable from NVRAM. Removing PK will reset System to Setup Mode
Comment	

Field Name	<b>Set new PK</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded), c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

Field Name	<b>Delete KEK</b>
Help	Delete the Variable from NVRAM. Removing KEK will reset System to Setup Mode
Comment	

Field Name	<b>Set new KEK</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in:



	a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded), c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

Field Name	<b>Append KEK</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded), c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

Field Name	<b>Delete DB</b>
Help	Delete the Variable from NVRAM. Removing DB will reset System to Setup Mode
Comment	

Field Name	<b>Set new DB</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded), c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

Field Name	<b>Append DB</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded),

	c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

Field Name	<b>Delete DBX</b>
Help	Delete the Variable from NVRAM. Removing DBX will reset System to Setup Mode
Comment	

Field Name	<b>Set new DBX</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded), c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

Field Name	<b>Append DBX</b>
Help	Insert Factory Default Keys or load from a file formatted as: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST, b)EFI_CERT_X509 (DER encoded), c)EFI_CERT_RSA2048 (bin), d)EFI_CERT_SHA256 (bin) 2.Efi Time-Based Authenticated Variable
Comment	

## 6. Boot

Boot mode select = UEFI

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
<b>Boot Configuration</b>						<b>Item help</b>
Setup Prompt Timeout				3		
Bootup NumLock State				[On]		
Quiet Boot				[Disable]		
Fast Boot				[Enabled]		
VGA Support				[EFI Driver]		
USB Support				[Partial Initial]		
PS2 Devices Support				<b>[Enabled]</b>		
Network Stack Driver Support				[Enabled]		
Alternate Boot Sequence				[<F12> Key]		
Boot Other Device				[Disable]		
Boot Mode select				[UEFI]		
<b>FIXED BOOT ORDER Priorities</b>						
Boot Option #1				[UEFI CD/DVD]		→←: Select Screen
Boot Option #2				[UEFI Hard Disk:Win.]		↑↓: Select Item
Boot Option #3				[UEFI USB KEY]		Enter: Select
Boot Option #4				[UEFI Network]		+/- : Change Opt
Boot Option #5				[UEFI USB CD/DVD]		F1: General Help
Boot Option #6				[UEFI USB Hard Disk]		F2: Previous Values
▶ UEFI Hard Disk Drive BBS Priorities						F3: Optimized Defaults
						F4: Save & Reset
						ESC: Exit
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**Boot mode select = LEGACY**

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
<b>Boot Configuration</b>						<b>Item help</b>
Setup Prompt Timeout				3		
Bootup NumLock State				[On]		
Quiet Boot				[Disable]		
Fast Boot				[Enabled]		
VGA Support				[EFI Driver]		
USB Support				[Partial Initial]		
PS2 Devices Support				<b>[Enabled]</b>		
Network Stack Driver Support				[Enabled]		
Alternate Boot Sequence				[<F12> Key]		
Boot Other Device				[Disable]		
Boot Mode select				[LEGACY]		
<b>FIXED BOOT ORDER Priorities</b>						
Boot Option #1				[USB Floopy]		
Boot Option #2				[USB KEY]		
Boot Option #3				[USB Hard Disk]		
Boot Option #4				[USB CD/DVD]		
Boot Option #5				[Hard Disk]		
Boot Option #6				[Network]		
						<b>→←: Select Screen</b> <b>↑↓: Select Item</b> <b>Enter: Select</b> <b>+/- : Change Opt</b> <b>F1: General Help</b> <b>F2: Previous Values</b> <b>F3: Optimized Defaults</b> <b>F4: Save &amp; Reset</b>

Field Name	<b>Setup Prompt Timeout</b>
Default Value	[3]
Possible Value	1~65535
Help	Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.

Field Name	<b>Boot NumLock State</b>
Default Value	[On]
Possible Value	On Off
Help	Select the keyboard NumLock state

Field Name	<b>Quiet Boot</b>
Default Value	[Disabled]
Possible Value	Enabled Disabled
Help	Enables or disables Quiet Boot option

Field Name	<b>Fast Boot</b>
------------	------------------

Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	Enables or disables boot with initialization of a minimal set of devices required to launch active boot option. Has no effect for BBS boot options.

Field Name	<b>VGA Support</b>
Default Value	[EFI Driver]
Possible Value	EFI Driver / Auto
Help	If Auto, only install Legacy OpRom with Legacy OS and logo would NOT be shown during post. Efi driver will still be installed with EFI OS.

Field Name	<b>USB Support</b>
Default Value	[Partial Initial]
Possible Value	Disable / Full Initial / Partial Initial
Help	If Disabled, all USB devices will NOT be available until after OS boot. If Partial Initial, USB Mass Storage and specific USB port/device will NOT be available before OS boot. If Enabled, all USB devices will be available in OS and Post.

Field Name	<b>PS2 Devices Support</b>
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	If Disabled, PS2 devices will be skipped.

Field Name	<b>NetWork Stack Driver Support</b>
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	If Disabled, NetWork Stack Driver will be skipped.

Field Name	<b>Alternate Boot Sequence</b>
Default Value	[<F12> Key]

Possible Value	Disable / <F12> Key
Help	Specifies whether a Magic Packet(TM) powering on the system, pressing <F12> during the POST, or both, will cause the normal boot sequence to be skipped and a LAN-only boot to be attempted. If Boot Other Device is enabled, other boot devices are tried if LAN boot fails.

Field Name	<b>Boot Other Device</b>
Default Value	[Disabled]
Possible Value	Enabled Disabled
Help	If enabled, the system will try booting all device categories if the normal boot priority fails.

Field Name	<b>Boot mode select</b>
Default Value	[UEFI]
Possible Value	LEGACY UEFI
Help	Secure Boot mode selector. 'Custom' Mode allows physically present users ability to override Image Execution policy and manage Secure Boot Keys.

**Boot mode select = UEFI, FIXED BOOT ORDER Priorities**

Field Name	<b>Boot Option #1</b>
Default Value	[UEFI CD/DVD]
Possible Value	UEFI CD/DVD, UEFI Hard Disk, UEFI USB KEY, UEFI Network, UEFI USB CD/DVD,UEFI USB Hard Disk, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #2</b>
Default Value	[UEFI Hard Disk]
Possible Value	UEFI CD/DVD, UEFI Hard Disk, UEFI USB KEY, UEFI Network, UEFI USB CD/DVD,UEFI USB Hard Disk, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #3</b>
Default Value	[UEFI USB Key]

Possible Value	UEFI CD/DVD, UEFI Hard Disk, UEFI USB KEY, UEFI Network, UEFI USB CD/DVD,UEFI USB Hard Disk, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #4</b>
Default Value	[UEFI Network]
Possible Value	UEFI CD/DVD, UEFI Hard Disk, UEFI USB KEY, UEFI Network, UEFI USB CD/DVD,UEFI USB Hard Disk, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #5</b>
Default Value	[UEFI USB CD/DVD]
Possible Value	UEFI CD/DVD, UEFI Hard Disk, UEFI USB KEY, UEFI Network, UEFI USB CD/DVD,UEFI USB Hard Disk, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #6</b>
Default Value	[UEFI USB Hard Disk]
Possible Value	UEFI CD/DVD, UEFI Hard Disk, UEFI USB KEY, UEFI Network, UEFI USB CD/DVD,UEFI USB Hard Disk, Disabled.
Help	Sets the system boot order.

**Boot mode select = LEGACY, FIXED BOOT ORDER Priorities.**

Field Name	<b>Boot Option #1</b>
Default Value	[CD/DVD]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #2</b>
Default Value	[Hard Disk]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #3</b>
------------	-----------------------



Default Value	[USB Key]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #4</b>
Default Value	[Network]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #5</b>
Default Value	[USB CD/DVD]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #6</b>
Default Value	[USB Hard Disk]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.

Field Name	<b>Boot Option #7</b>
Default Value	[USB Floppy]
Possible Value	CD/DVD, Hard Disk, USB KEY, Network, USB CD/DVD, USB Hard Disk, USB Floppy, Disabled.
Help	Sets the system boot order.



Field Name	<b>Discard Changes and Reset</b>
Help	Reset system setup without saving any changes.
Comment	

Field Name	<b>Save Options</b>
------------	---------------------

Field Name	<b>Save Changes</b>
Help	Save Changes done so far to any of the setup options.
Comment	

Field Name	<b>Discard Changes</b>
Help	Discard Changes done so far to any of the setup options.
Comment	

Field Name	<b>Restore Defaults</b>
Help	Restore/Load Default values for all the setup options.
Comment	

Field Name	<b>Save as User Defaults</b>
Help	Save the changes done so far as User Defaults.
Comment	

Field Name	<b>Restore User Defaults</b>
Help	Restore the User Defaults to all the setup options.
Comment	

Field Name	<b>Boot Override</b>
------------	----------------------

Field Name	<b>Launch EFI Shell from filesystem device</b>
Help	Attempts to Launch EFI Shell application (Shell.efi) from one of the available filesystem devices
Comment	

Field Name	<b>Launch EFI Shell from filesystem device</b>
Help	Attempts to Launch EFI Shell application (Shellx64.efi) from one of the

	available filesystem devices
Comment	

Field Name	<b>Reset System with ME disable Mode</b>
Help	ME will runs into the temporary disable mode, Ignore if ME Ignition FW
Comment	

Field Name	<b>Restore user Defaults</b>
Help	Restore the User Defaults to all the setup options.
Comment	