

MiTAC Embedded System S300-10AS Product Guide

Embedded System Features

This chapter briefly describes the features of Embedded System S300-10AS.
Below to summarizes the major features of the S300-10AS.

Feature Summary

TABLE: MiTAC S300-10AS FEATURES

Dimension	6.7" x 5.8" x 2.2" (170 x 147 x 55 mm)	
Processor Chipset	Intel® Apollo Lake-M N4200 / N3350 Processor Intel® Apollo Lake-I E3930 / E3940 / E3950 Processor	
Main Memory	<ul style="list-style-type: none">up to 8 GB of system memory204-pin DDR3L SO-DIMM	1
Audio Controller	Realtek ALC662 audio codec	
Expansion Capability	• PCI Express Full-Length Mini Card slot (PCIe / SATA)	1
	• M.2 (2230) with PCIe x 1 and USB 2.0 signal for wireless	1
Internal I/O	7-pin SATA connector 3-pin SATA power BIOS Clear Header / Jumper Jumper for AT / ATX mode SIM Card holder	
Front I/O	Power Button Power LED HDD LED 2 x USB 2.0 2 x RS232	
Rear I/O	1 x HDMI 1.4 1 x VGA 2 x RJ-45 4 x USB 3.0 1 x DC-in Jack 2 x SMA Antenna (Optional for WiFi/LTE function)	
S I/O Controller	NCT6116D	
LAN Support	Intel I210 (10/100/1000 Mb/s) Ethernet LAN controller	
BIOS	<ul style="list-style-type: none">BIOS resident in a Serial Peripheral Interface (SPI) Flash deviceUEFI mode only (Does not support Legacy mode)Support for Advanced Configuration and Power Interface (ACPI), and System Management BIOS (SMBIOS)	
Hardware Management	Nuvoton NCT6116D based subsystem, including:	
	<ul style="list-style-type: none">Voltage sense to detect out of range power supply voltages	
	<ul style="list-style-type: none">Thermal sense to detect out of range thermal values	

Environment	<ul style="list-style-type: none"> • 0 ~ 50°C (32 ~ 122°F) • Wide Temperature (Optional*) : -40 ~ 60°C (-40 ~ 140°F)
	With 0.7m/s Air Flow and Wide Temperature Memory/Storage <ul style="list-style-type: none"> • Storage Temperature: -40°C to +85°C
	<ul style="list-style-type: none"> • Operating Humidity: 10% ~ 90% R/H (Non-condensing)
	<ul style="list-style-type: none"> • Vibration Resistance: 5Hz~500Hz / 2Grms / 3Axis (Non-operating)
	<ul style="list-style-type: none"> • Shock Resistance: 120G, 2ms Duration (Non-operating)
Safety	<ul style="list-style-type: none"> • CE
	<ul style="list-style-type: none"> • FCC

S300-10AS Dimension and I/O Placement

Figure shows the dimension and I/O placement of S300-10AS.

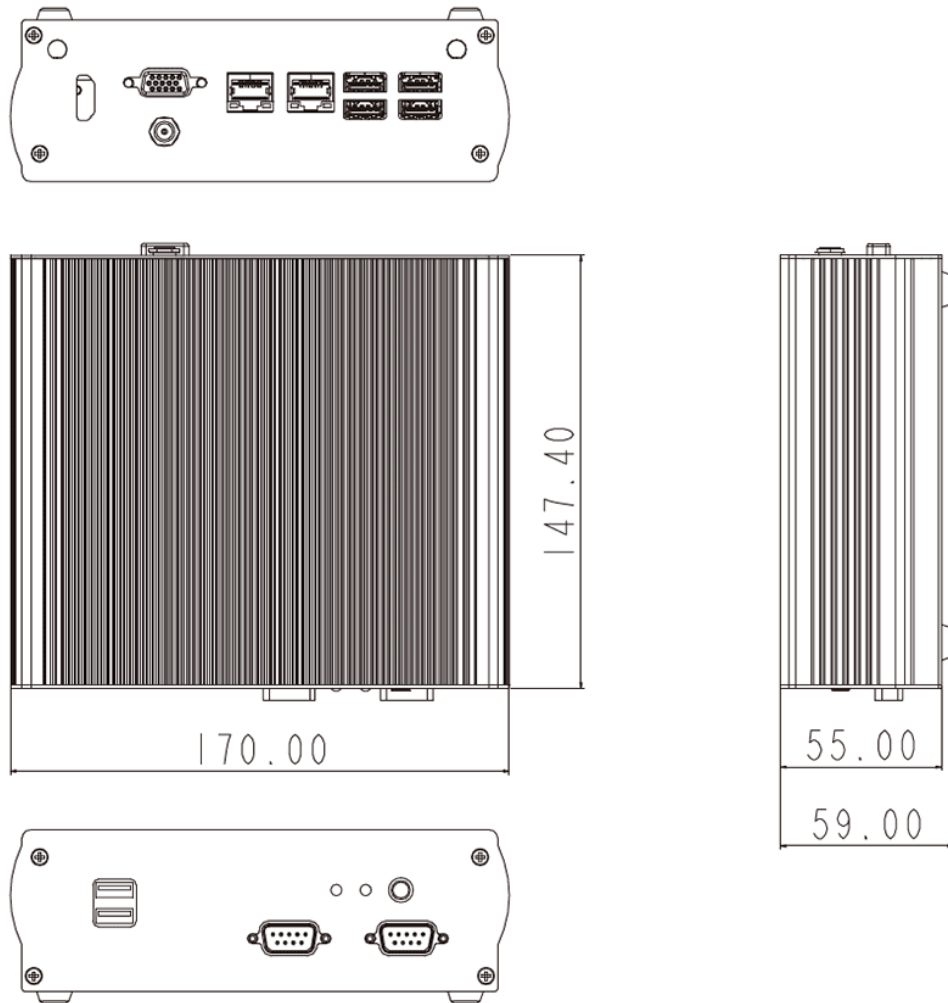


Figure1: MiTAC Embedded System S300-10AS Dimension

Front I/O



Rear I/O



Figure2: MiTAC Embedded System S300-10AS I/O Placement

S300-10AS Quick Installation Guide

S300

Quick Assembly Guide



1.REMOVE 2 FRONT COVER SCREWS



2.REMOVE 2 REAR COVER SCREWS



3.REMOVE BOTTOM COVER BY LIFTING



4.INSTALL SO-DIMM MEMORY



5.REMOVE SCREW & INSTALL mSATA SSD



6.REMOVE SCREWS & INSTALL M.2 WIFI MODULE



7.INSTALL INTERNAL WIFI CABLE TO WIFI MODULE



8. REMOVE FILM OF THERMAL PAD & ATTACH ONTO mSATA SSD



9.ASSEMBLE BOTTOM COVER



10. TIGHTEN 2 REAR COVER SCREWS



11.TIGHTEN 2 FRONT COVER SCREWS



12.INSTALL EXTERNAL ANTENNA

S300-10AS Internal I/O and Jumper Setting

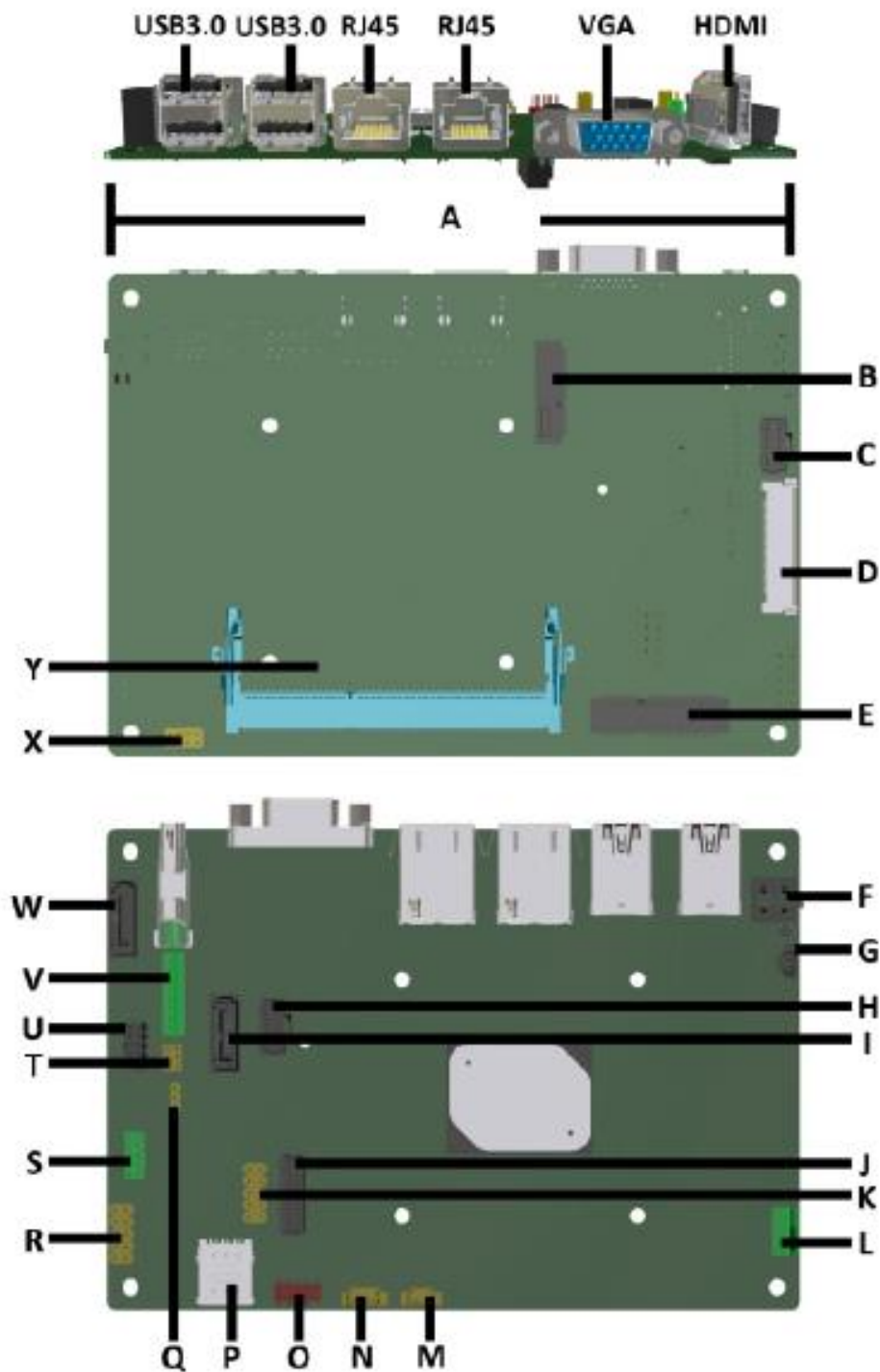


Figure3: MiTAC M/B Components (Top)

TABLE1: MiTAC M/B PD10AS COMPONENTS

B	M.2 Key-E connector
E	Mini PCIE (3G module, mSATA, Wifi)
H	Dual COM1/COM3 RS232
I	SATA0(optional)
M	SATA 3P PWR (5V)
N	SATA 4P PWR (3V/5V/12V)
P	SIM card slot
S	COM4 RS232/RS422/RS485
U	COM2 RS232_Debug Port
W	SATA1
X	AT/ATX, CMOS , mSATA header
Y	LPDDR3 SO-DIMM socket

HDMI feature: High-Definition Multimedia Interface (HDMI*)

- HD – HDMI1.4 flush mount graphics connector: backpanel video



-
- The High-Definition Multimedia Interface (HDMI*) is provided for transmitting uncompressed digital audio and video signals from DVD players, set-top boxes, and other audio-visual sources to television sets, projectors, and other video displays. It can carry high-quality multi-channel audio data and all standard and high-definition consumer electronics video formats. The HDMI display interface connecting the processor and display devices uses transition minimized differential signaling (TMDS) to carry audiovisual information through the same HDMI cable.
-
- HDMI includes three separate communications channels: TMDS, DDC, and the optional CEC (consumer electronics control). CEC is not supported on the processor. As shown in the following figure, the HDMI cable carries four differential pairs that make up the TMDS data and clock channels. These channels are used to carry video, audio, and auxiliary data. In addition, HDMI carries a VESA DDC. The DDC is used by an HDMI Source to determine the capabilities and characteristics of the Sink.
-
- Audio, video, and auxiliary (control/status) data is transmitted across the three TMDS data channels. The video pixel clock is transmitted on the TMDS clock channel and is used by the receiver for data recovery on the three data channels. The digital display data signals driven natively through the PCH are AC coupled and needs level shifting to convert the AC coupled signals to the HDMI compliant digital signals.
-
- The processor HDMI interface is designed in accordance with the High-Definition Multimedia Interface.

Type A Connector Pin Assignment

PIN	Signal Assignment	PIN	Signal Assignment
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2–	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1–
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0–	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock–
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

VGA feature:



The CH7517 can support analog RGB output up to 1920x1200@60Hz or 2048x1152@60Hz with reduced blanking through triple video DACs, and the DAC supports pixel rate up to 200MHz. The de-serialized data from the DisplayPort Receiver, after proper decoding and image enhancement process, are transported to the video DACs. This operating mode uses 8-bits of the DAC's 9-bit range, and provides a nominal signal swing of 0.7V (depending on DAC Gain setting in control registers) when driving a 75Ω doubly terminated load. No scaling, scan conversion or flicker filtering is applied.

1.1.1 LAN port

Board must implement a LAN solution supporting 10/100/1000 Mb/s with the following features:

Onboard RJ45 connectors must have integrated magnetics and support dual status LEDs per port, as shown in Table 2.


Diagram	LED	Color	State	Condition
	Link	N/A	Off	LAN link is not established
		Green	On	LAN link is established
			Blinking	LAN activity occurring
	Speed	N/A	Off	10 Mb/s data rate
		Green	On	100 Mb/s data rate
		Yellow	On	1000 Mb/s data rate

Table 7: RJ45 LED behavior

Note: LAN subsystem must be tested for IEEE802.3 conformance on each port.

1.1.2 SATA

SATA PORT0: This is optional port from mini PCI-E and SATA0 Connector

Board must also support the following Serial ATA Gen 3 compliant ports

- One fully-shrouded right angle internal SATA gen 3 ports (colored GREY)

SATA PORT1

Board must also support the following Serial ATA Gen 3 compliant

- one fully-shrouded right angle internal SATA gen 3 ports (colored BLACK)
-

Note: All SATA must be compliant with the Serial ATA Revision 3.0 Specification, as noted in the Reference Documentation section.

1.1.3 Super I/O

Board must support the following features through a SuperIO controller device:

- SMBUS/SMLink support for SOC temp
- Support minimum of 2 temperature inputs per PWM Controller for duty cycle determination
- Support for non-ACPI based fan control (thermal responsiveness independent of system software)
- Support 4ea serial port: 3ea RS232, 1ea RS485/RS422/RS232
- Legacy I/O (for applicable ports)

1.1.4 USB

Board must support the following Universal Serial Bus ports:

Port Summary

- 2 total USB2.0 Ports (2 internal)
- 1 total USB2.0 Ports (m2 key-E Connector)
- 1 total USB2.0 Ports (Mini PCIE Connector)
- 4 total USB 3.0 Ports (2 back-panel with standard USB3.0 I/O port)

Front panel USB2.0 headers must be 2x5, 2.0mm pitch, colored black and keyed at pin 9, as defined in Figure and Table . Follow the Intel Front Panel I/O Connectivity Design Guide for front panel USB solutions.

(SUPERIOR TECH : PHDD-SS010G1ABONE-N088)

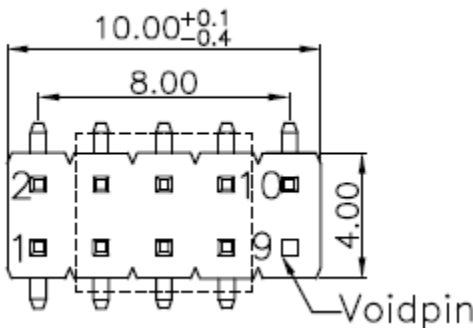


Figure 8: Front panel USB header pin-out

Pin	Signal	Pin	Signal
1	+5V DC	2	+5V DC
3	Data (negative)	4	Data (negative)
5	Data (positive)	6	Data (positive)

Pin	Signal	Pin	Signal
7	Ground	8	Ground
9	Key (no pin)	10	No Connect

Table 8: Front panel USB header signals

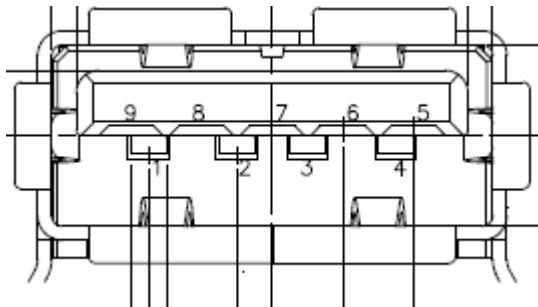
Notes: Front panel USB headers must be placed within a keep-out-zone no smaller than 1 inch (half-inch to the left and half-inch to the right of the header) so as to support commonly available USB connectors.

Thermistor protection is required for all back panel and front panel USB ports.

ESD protection is required for all D+ and D- signals. Signal routing/layout for all front panel and backpanel ports must include pads for ESD protection; protection components must be stuffed. ESD protection circuitry must meet respective signal qualification, functionality and performance.

Common mode choke footprint must be routed for all back panel and front panel USB ports (to be stuffed on back panel ports shall EMI test fail with less than 4dB margin).

Rear USB3.0 I/O port



USB 3.0 Standard-A Connector Pin Assignments

Pin Number	Signal Name	Description	Mating Sequence
1	VBUS	Power	Second
2	D-	USB 2.0 differential pair	Third
3	D+		
4	GND	Ground for power return	Second
5	StdA_SSRX-	SuperSpeed receiver differential pair	Last
6	StdA_SSRX+		
7	GND_DRAIN	Ground for signal return	
8	StdA_SSTX-	SuperSpeed transmitter differential pair	
9	StdA_SSTX+		
Shell	Shield	Connector metal shell	First

Note: Tx and Rx are defined from the host perspective

Table 9: Rear USB3.0 I/O signals

1.1.5 PCI Express Expansion Slots

Board's PCI Express slot(s) must be PCI Express Specification v2.0 compliant and compatible with PCI Express v2.0 and v1.1 add-in cards.

PCI Express x16 slot must be compatible with x16/x8/x4/x1 PCI Express add-on cards. PCIe x16 slot's retention mechanism must be consistent across Intel desktop boards.

PCI Express x4 slot(s) must be compatible with PCI Express x4 and x1 add-on cards. Slot power capability must comply with 25W requirement as defined in the PCI Express Card Electromechanical 3.0 Specification.

PCI Express x1 slot(s) must be compatible with x1 PCI Express add-on cards.

Route WAKE# to support ACPI wake events.

Design must provide SMBus routed to all PCI Express slots, with individual/per slot de-stuffing option via strapping resistor (strapping resistor must be stuffed by default).

Follow the ATX specification and Industrial DFA (Design for Assembly) standard requirements for connector placement and spacing.

Keep-out zone of PCI Express v3.0 x16 slot must allow use of double-width and long graphics cards without blocking access to any connectors (i.e. SATA ports, DIMM connector tabs, front panel audio header, ...).

1.1.6 Expansion Slot Layout

Board must have the following expansion slot layout:

Slot Configuration	Electrical	Physical Connector	Color
J43	M.2 key M socket	M.2 Key E socket	Black
J25	PCI Express 3.0 x1	Mini PCIE	Black

- **M.2 Support key-E 3 Type2230 for WLAN/USB2.0 feature**
- **Mini PCIE for mSATA feature support SATA SSD or PCIE SSD module**

1.1.7 Serial Port

The serial port header must be 2x5, 2.00mm pitch, colored green and keyed at pin 10, as defined in Figure 10

Internal I/O header: Standard 9 pin RS232 or RS485, RS422 port

COM port 2 header : J_RS232_P2 is RS232 feature only

(SUPERIOR TECH : PHDD-SS010G1AGONX-N092)

COM port 4 header: RS485/RS422/RS232 feature

(SUPERIOR TECH : PHDD-SS010G1ABONE-N092)

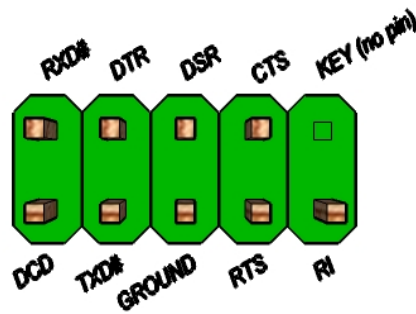
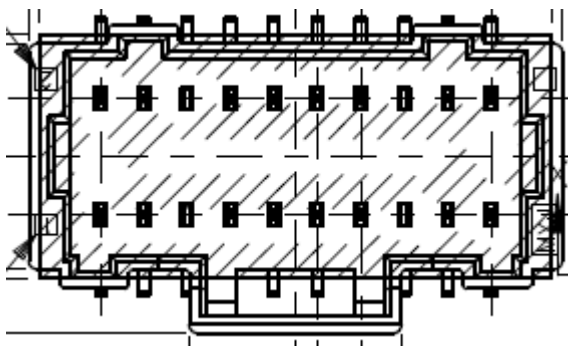


Figure 10: RS232, RS485, RS232 Serial port header pin-out

Internal I/O header: 10Px2, 1.0mm, ST: dual RS232 port

Dual COM port header: Molex 5011902017_sd



COM port #1,#3 header: RS485/RS422/RS232 feature

Serial Port #1, #3: RS232_P1P3 pin defintion

	Signal	Pin	Signal
	RS232		RS232
1	DCD (Data Carrier Detect)	2	RXD# (Receive Data)
3	TXD# (Transmit Data)	4	DTR (Data Terminal Ready)
5	Ground	6	DSR (Data Set Ready)
7	RTS (Request To Send)	8	CTS (Clear To Send)
9	RI (Ring Indicator)	10	NC
11	DCD (Data Carrier Detect)	12	RXD# (Receive Data)
13	TXD# (Transmit Data)	14	DTR (Data Terminal Ready)
15	Ground	16	DSR (Data Set Ready)
17	RTS (Request To Send)	18	CTS (Clear To Send)
19	RI (Ring Indicator)	20	NC

Table 14: Dual Serial port header signals

1.1.8 AT/ATX, CMOS , mSATA header in silkscreen / feature

JUMPER	J_AT_CMOS1
(1-2)	Clear CMOS
(1-3)	Normal
(4-6)	ATX
(8-6)	AT
(5-7)	PCIE
(5-7) NA	mSATA

JUMPER	(1-2)	(1-3)
Clear CMOS	Clear CMOS	Normal

CMOS clear
Normal: 1-3
Clear CMOS: 1-2

JUMPER	(8-6)	(4-6)
AT/ATX	AT Mode	ATX (Default)

mSATA detection function:

Base on some PCIE/USB 3G module pin51 suport PCM_SYNC

Base on old SATA module pin43 can't meet datasheet NC pin

JUMPER	(5-7) IN	(5-7) NA
mSATA/PCIE	PCIE 3G Module (Default)	mSATA

MITAC Embedded System

S300-10AS

BIOS Specification

1. **MAIN PAGE**

Main	Advanced	Chipset	Security	Boot	Save & Exit
BIOS Information					Item help
BIOS Version					D7740X01
Build Date					02/02/2017
Processor Information					
Genuine Intel® CPU @ 1.50GHz					
SATA Devices					→←: Select Screen
SATA Port0					↑↓: Select Item
[Not Installed]					Enter: Select
SATA Port1					+/- : Change Opt
[Not Installed]					F1: General Help
Memory Information					F2: Previous Values
Total Memory					F3: Optimized Defaults
Memory speed					F4: Save & Reset
System Date					ESC: Exit
System Time					
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.					

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

Field Name	Build Date
Default Value	Display build time of the BIOS
Comment	This field is not selectable. There is no help text associated with it.

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

Field Name	SATA Port 0
Value	Display the installed SATA port 0 devices.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	SATA Port 1
Value	Display the installed SATA port 0 devices.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	Total Memory
Value	Display the installed memory size.
Comment	This field is not selectable. There is no help text associated with it.

Field Name	Memory Speed
Default Value	Display the installed memory speed
Comment	This field is not selectable. There is no help text associated with it.

Field Name	System Date
Default Value	[xxx, mm dd yyyy]
Possible Value	[xxx, xx:xx:xxxx]
Help	<p>Set the Date. Use Tab to switch between Date elements.</p> <p>Default Ranges:</p> <p>Year: 2005-2099</p> <p>Months: 1-12</p> <p>Days: dependent on month</p>

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

2. ADVANCED PAGE

Main	Advanced	Chipset	Security	Boot	Save & Exit
LAN1				[Enable]	Item help
LAN2				[Enable]	
Mini PCIe				[Enable]	
M.2				[Enable]	
▶Intel(R) I210 Gigabit Network Connection – 00:22:4D:4D:...					
▶Intel(R) I210 Gigabit Network Connection – 00:22:4D:4D:...					
▶Driver Health					
▶Trusted Computing					
▶SMART settings					
▶NCT6116D Super IO Configuration					
▶S5 RTC Wake Settings					
▶CPU Configuration					→←: Select Screen
▶Network Stack Configuration					↑↓: Select Item
▶Platform Trust Technology					Enter: Select
					+/- : Change Opt
					F1: General Help
					F2: Previous Values
					F3: Optimized Defaults
					F4: Save & Reset
					ESC: Exit

Field Name	LAN1
Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enable/Disable LAN Device

Field Name	LAN2
Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enable/Disable LAN Device

Field Name	Mini PCle
Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enable/Disable mini PCIE

Field Name	M.2
------------	------------

Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enable/Disable M.2

Field Name	Intel(R) I210 Gigabit Network Connection – 00:22:4D:4D:00:01
Help	Configure Gigabit Ethernet device parameters
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	Intel(R) I210 Gigabit Network Connection – 00:22:4D:4D:00:02
Help	Configure Gigabit Ethernet device parameters
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	Driver Health
Help	Provides Health Status for the Drivers/Controllers
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	Trusted Computing
Help	Trusted Computing settings
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	SMART Settings
Help	System SMART settings.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	NCT6104D Super IO Configuration
Help	System Super IO Chip Parameters.
Comment	Press Enter when selected to go into the associated Sub-Menu.

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

Field Name	CPU Configuration
Help	CPU Configuration Parameters.
Comment	Press Enter when selected to go into the associated Sub-Menu.

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

Field Name	Platform Trust Technology
Help	Platform Trust Technology
Comment	Press Enter when selected to go into the associated Sub-Menu.

2.1 INTEL(R) I210 GIGABIT NETWORK CONNECTION – 00:22:4D:4D:00:01

Main	Advanced	Chipset	Security	Boot	Save & Exit
NIC Configuration					Item help
Blink LEDs					0
UEFI Driver					Inter(R) PRO/1000 7.3...
Adapter PBA					000300-000
Device Name					Intel(R) I210 Gigabit...
Chip Type					Intel i210
PCI Device ID					1533
PCI Address					01:00:00
Link Status					[Disconnected]
MAC Address					00:22:4D:4D:00:01
Virtual MAC Address					00:00:00:00:00:00
					→←: 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	NIC Configuration
Help	Click to configure the network device port.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	Blink LEDs
------------	-------------------

Default Value	0
Possible Value	0-15
Help	Identify the physical network port by blinking the associated LED.

2.3.1 NIC CONFIGURATION

Main	Advanced	Chipset	Security	Boot	Save & Exit
Link Speed		[Auto Negotiated]		Item help	
Wake On LAN		[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	Link Speed
Default Value	Auto Negotiated
Possible Value	Auto Negotiated 10Mbps Half 10 Mbps Full 100 Mbps Half 100 Mbps Full

Help	Specifies the port speed used for the selected boot protocol.
------	---

Field Name	Wake On LAN
Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enables the server to be powered on using an in-band magic packet.

2.2 INTEL(R) I210 GIGABIT NETWORK CONNECTION – 00:22:4D:4D:00:02

Main	Advanced	Chipset	Security	Boot	Save & Exit
NIC Configuration					Item help
Blink LEDs					0
UEFI Driver					Inter(R) PRO/1000 7.3...
Adapter PBA					000300-000
Device Name					Intel(R) I210 Gigabit...
Chip Type					Intel i210
PCI Device ID					1533
PCI Address					01:00:00
Link Status					[Disconnected]
MAC Address					00:22:4D:4D:00:02
Virtual MAC Address					00:00:00:00:00:00
					→←: 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	NIC Configuration
Help	Click to configure the network device port.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	Blink LEDs
------------	-------------------

Default Value	0
Possible Value	0-15
Help	Identify the physical network port by blinking the associated LED.

2.1.1 NIC CONFIGURATION

Main	Advanced	Chipset	Security	Boot	Save & Exit
<div>Link Speed [Auto Negotiated]</div> <div>Wake On LAN [Disabled]</div>					<div>Item help</div> <div>→←: Select Screen</div> <div>↑↓: Select Item</div> <div>Enter: Select</div> <div>+/- : Change Opt</div> <div>F1: General Help</div> <div>F2: Previous Values</div> <div>F3: Optimized Defaults</div> <div>F4: Save & Reset</div> <div>ESC: Exit</div>
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Field Name	Link Speed
Default Value	Auto Negotiated
Possible Value	Auto Negotiated 10Mbps Half 10 Mbps Full 100 Mbps Half 100 Mbps Full

Help	Specifies the port speed used for the selected boot protocol.
------	---

Field Name	Wake On LAN
Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enables the server to be powered on using an in-band magic packet.

2.3 DRIVER HEALTH

Main	Advanced	Chipset	Security	Boot	Save & Exit
▶ Intel(R) PRO/1000 7.3.20 PCI-E Healthy					Item help
					→←: 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	Intel(R) PRO/1000 7.3.20 PCI-E
Help	Provides Health Status for the Drivers/Controllers
Comment	Press Enter when selected to go into the associated Sub-Menu.

2.3.1 INTEL(R) PRO/1000 7.3.20 PCI-E

MainAdvancedChipsetSecurityBootSave & Exit

Controller 73a9fd58 Child 0Healthy

Intel(R) I210 Gigabit Network Connection Healthy

Controller 73a9f558 Child 0Healthy

Intel(R) I210 Gigabit Network Connection Healthy

Itemhelp

→←: 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	Controller 73a9fd58 Child 0
Help	Provides Health Status for the Drivers/Controllers
Comment	Show driver/controller status

Field Name	Intel(R) I210 Gigabit Network Connection
Help	Provides Health Status for the Drivers/Controllers

Comment	Show driver/controller status
---------	-------------------------------

Field Name	Controller 73a9f558 Child 0
Help	Provides Health Status for the Drivers/Controllers
Comment	Show driver/controller status

Field Name	Intel(R) I210 Gigabit Network Connection
Help	Provides Health Status for the Drivers/Controllers
Comment	Show driver/controller status

2.4 TRUSTED COMPUTING

Main	Advanced	Chipset	Security	Boot	Save & Exit
TPM20 Device Found					
Vendor: INTC					
Firmware Version: 3.0					
Security Device Support		[Enable]			
Active PCR banks		SHA-1, SHA256			
Available PCR banks		SHA-1, SHA256			
Pending operation		[None]			
		→←: 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	Security Device Support
Default Value	Enabled

Possible Value	<p>Disabled</p> <p>Enabled</p>
Help	<p>Enables or Disables BIOS support for security device. O.S. will not show Security Device. TCG EFI protocol and INT1A interface will not be available.</p>

Field Name	Pending operation
Default Value	None
Possible Value	None TPM Clear
Help	Schedule an Operation for the Security Device. NOTE: Your Computer will reboot during restart in order to change State of Security Device.

2.5 SMART SETTINGS

Main	Advanced	Chipset	Security	Boot	Save & Exit
SMART Settings					Item help
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	SMART Self Test
Default Value	[Disabled]
Possible Value	Disabled Enabled
Help	Run SMART Self Test on all HDDs during POST.

2.6 NCT6116D SUPER IO CONFIGURATION

Main	Advanced	Chipset	Security	Boot	Save & Exit
NCT6116D Super IO Configuration					Item help
Serial Port 1					[Enabled]
Serial Port 2					[Enabled]
Serial Port 3					[Enabled]
Serial Port 4					[Enabled]
Serial Port Mode					[3T/5R RS-232]
SLEW Rate					[1.5Mbps]
					→← : 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	Serial Port 1
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	Enable or Disable Serial Port (COM)

Field Name	Serial Port 2
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	Enable or Disable Serial Port (COM)

Field Name	Serial Port 3
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	Enable or Disable Serial Port (COM)

Field Name	Serial Port 4
Default Value	[Enabled]
Possible Value	Enabled Disabled
Help	Enable or Disable Serial Port (COM)

Field Name	Serial Port Mode
Default Value	[3T/5R RS-232]
Possible Value	1T/1R RS-422 3T/5R RS-232 1T/1R RS-485 TX ENABLE Low Active 1T/1R RS-485 with termination resistor TX ENABLE Low Active

	1T/1R RS-422 with termination resistor Disabled
Help	Enable or Disable Serial Port (COM)

Field Name	SLEW Rate
Default Value	[1.5Mbps]
Possible Value	256Kbps 1. 5Mbps
Help	Select SLEW rate to 1.5Mbps or 256Kbps

2.7 S5 RTC WAKE SETTINGS(NO FUNCTION WHEN DEEPSX POWER POLICIES ENABLED)

Main	Advanced	Chipset	Security	Boot	Save & Exit	
Wake system from S5					[Disabled]	Item help
Wake up hour					0	
Wake up minute					0	
Wake up second					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	Wake system from S5
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)

Field Name	Wake up hour(Show when Wake system from S5 set to Fixed Time)
Default Value	0
Possible Value	0-23
Help	Select 0-23 For example enter 3 for 3am and 15 for 3pm

Field Name	Wake up minute(Show when Wake system from S5 set to Fixed Time)
Default Value	0
Possible Value	0-59
Help	0 - 59

Field Name	Wake up second(Show when Wake system from S5 set to Fixed Time)
Default Value	0
Possible Value	0 - 59
Help	0 - 59

Field Name	Wake up minute increase(Show when Wake system from S5 set to Dynamic Time)
Default Value	1
Possible Value	1-5

Help	1 - 5
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2.8 CPU CONFIGURATION

Main	Advanced	Chipset	Security	Boot	Save & Exit
CPU Configuration					Item help
Intel(R) Core(TM) CPU [CPU NAME] @ [CPU Freq.] GHz					
CPU Signature				406c3	
Microcode Patch				33c	
Max CPU Speed				1600 MHz	
Min CPU Speed				480 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	
64-bit				Supported	
Intel Virtualization Technology				[Enabled]	→←: Select Screen
EIST				[Enable]	↑↓: Select Item
Turbo mode				[Enable]	Enter: Select
					+/- : Change Opt
					F1: General Help

	F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
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Field Name	CPU Configuration
Default Value	[Intel CPU Brand String]
Comment	This field is not selectable. There is no help text associated with it.

Field Name	CPU Signature
Default Value	Displays CPU Signature
Comment	This field is not selectable. There is no help text associated with it.

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

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

Field Name	Min CPU Speed
Default Value	Displays the Min CPU Speed

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

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

Field Name	Intel HT Technology
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	Intel VT-x Technology
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	64-bit
Default Value	Displays if 64-bit supported
Comment	This field is not selectable. There is no help text associated with it.

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

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

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

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

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

2.9 NETWORK STACK CONFIGURATION

Main	Advanced	Chipset	Security	Boot	Save & Exit
<div> <div>Network stack</div> <div>[Enabled]</div> </div> <div> <div>Ipv4 PXE Support</div> <div>[Enabled]</div> </div> <div> <div>Ipv6 PXE Support</div> <div>[Enabled]</div> </div>					<div>Item help</div> <div>→←: Select Screen</div> <div>↑↓: Select Item</div> <div>Enter: Select</div> <div>+/- : Change Opt</div> <div>F1: General Help</div> <div>F2: Previous Values</div> <div>F3: Optimized Defaults</div> <div>F4: Save & Reset</div> <div>ESC: Exit</div>
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Field Name	Network stack
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable/Disable UEFI network stack.

Field Name	Ipv4 PXE Support
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	Ipv6 PXE Support
Default Value	[Enabled]
Possible Value	Disabled Enabled
Help	Enable Ipv6 PXE Boot Support. If disabled IPV6 PXE boot option will not be created.

2.10 PLATFROM TRUST TECHNOLOGY

Main	Advanced	Device	Chipset	Security	Boot	Save & Exit
TPM Configuration <div> fTPM [Enabled] </div>						Item help
						→←: 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	Compatibility Support Module Configuration
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Field Name	fTPM Support
Default Value	[Enabled]
Possible Value	Disabled/Enabled
Help	Enable/Disable fTPM

3. CHIPSET

Main	Advanced	Chipset	Security	Boot	Save & Exit
Restore AC Power Loss			[Power Off]		
DeepSx Power Policies			[Disabled]		
Output Panel Type			[Disable]		
DVMT Pre-Allocated			[64M]		
DVMT Total Gfx Mem			[256MB]		
Wake On Lan			[Enable]		
OS Selection			[Windows]		
			Item help		
			→←: 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	Restore AC Power State
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Default Value	[Power Off]
Possible Value	Power off Power on Last State
Help	Select AC power state when power is re-applied after a power failure.

Field Name	DeepSx Power Policies
Default Value	Disabled
Possible Value	Disabled Enabled
Help	Configure the DeepSx Mode configuration.
Note	When enabled, “Wake On Lan” and “S5 RTC Wake Settings” are no function.

Field Name	Output Panel Type
Default Value	Disable
Possible Value	LVDS eDP Disabled
Help	Select Output Panel Type

Field Name	LVDS Interface Type
Default Value	8 bit-VESA Dual Channel
Possible Value	8 bit-VESA Single Channel 8 bit-VESA Dual Channel

	6 bit-VESA Single Channel 6 bit-VESA Dual Channel
Help	Sets LVDS connectivity.
Comment	This field only show when Output Panel Type set to LVDS

Field Name	LVDS Panel Type
Default Value	1920x1080
Possible Value	800x600 1024x768 1366x768 1280x800 1920x1080
Help	Select LVDS panel used by Internal Graphics Device by selecting the appropriate setup item.
Comment	This field only show when Output Panel Type set to LVDS

Field Name	DVMT Pre-Allocated
Default Value	[64M]
Possible Value	64M /96M /128M /160M /192M /224M /256M /288M /320M 352M /384M /416M /448M /480M /512M
Help	Select DVMT 5.0 Pre-Allocated (Fixed) Graphics Memory size used by the Internal Graphics Device.

Field Name	DVMT Total Gfx Mem
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	Wake On Lan
Default Value	Enabled
Possible Value	Disabled Enabled
Help	Enable or Disable the Wake on Lan

Field Name	OS Selection
Default Value	Windows
Possible Value	Windows Intel Linux
Help	Select the target OS.

4. SECURITY

Main	Advanced	Chipset	Security	Boot	Save & Exit
Password Description				Item	help
If Only the Administrator's password is set					
then this only limits access to Setup and is					
only asked for when entering Setup					
If ONLY the User's password is set, then this					
Is a power on password and must be entered to					
boot or enter Setup. In Setup the User will.					
have Administrator rights.					
The password length must be				→←: Select Screen	
in the following range:				↑↓: Select Item	
Minimum Length				3	Enter: Select
Maximum Length				20	+/- : Change Opt
Setup Administrator Password				F1: General Help	
User Password				F2: Previous Values	
HDD Security Configuration				F3: Optimized Defaults	
P0:Device Name				F4: Save & Reset	
Secure Boot				ESC: Exit	
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Field Name	Setup Administrator Password
Help	Set Administrator Password
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	User Password
Help	Set User Password.
Comment	Press Enter when selected to go into the associated Sub-Menu.

Field Name	P0: Device Name
Help	HDD Security Configuration for selected drive
Comment	Press Enter when selected to go into the associated Sub-Menu.

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

2.11 HDD SECURITY CONFIGURATION

Main	Advanced	Chipset	Security	Boot	Save & Exit
HDD Password Description				Item help	
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.					
If the 'Set HDD Password' option is grayed out,					
do power cycle to enable the option again.					
HDD PASSWORD CONFIGURATION:					
Security Supported	:	Yes		→←: Select Screen	
Security Enabled	:	No		↑↓: Select Item	
Security Locked	:	No		Enter: Select	
Security Frozen	:	No		+/- : Change Opt	
HDD User Pwd Status		NOT INSTALLED		F1: General Help	
				F2: Previous Values	
				F3: Optimized Defaults	
				F4: Save & Reset	
				ESC: Exit	
Set User Password					

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Field Name	Set User Password
Help	Set HDD User Password
Comment	Press Enter when selected to go into the associated Sub-Menu.

2.12SECURE BOOT MODE

Main	Advanced	Chipset	Security	Boot	Save & Exit
					Item help
System Mode					Setup
Vendor Keys					Not Modified
Secure Boot Enable					[Enabled]
Secure Boot Mode					[Standard]
▶Key Management					
					→←: 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	Secure Boot Enable
Default Value	[Enabled]
Possible Value	Enabled / Disabled
Help	Secure Boot activated when Platform Key(PK) is enrolled, System mode is User/Deployed, and CSM function is disabled

Field Name	Secure Boot Mode
Default Value	[Standard]
Possible Value	Standard / Custom
Help	Secure Boot Mode - Custom & Standard, Set UEFI Secure Boot Mode to STANDARD mode or CUSTOM mode, this change is effect after save. And after reset, the mode will return to STANDARD mode

Field Name	Key Management
Help	Enables experienced users to modify Secure Boot variables
Comment	Press Enter when selected to go into the associated Sub-Menu.

2.13 KEY MANAGEMENT

Main	Advanced	Chipset	Security	Boot	Save & Exit
Provision Factory Default				[Disabled]	Item help
▶Restore Factory Keys					
▶Enroll Efi Image					
▶Export Secure Boot variables					
Secure Boot variable				size key# key source	
▶Platform Key(PK)				0 0 No Keys	
▶Key Exchange Key				0 0 No Keys	
▶Authorized Signatures				0 0 No Keys	
▶Forbidden Signatures				0 0 No Keys	
▶Authorized TimeStamps				0 0 No Keys	
▶OsRecovery Signatures				0 0 No Keys	
					→←: Select Screen
					↑↓: Select Item
					Enter: Select
					+/- : Change Opt
					F1: General Help
					F2: Previous Values
					F3: Optimized Defaults
					F4: Save & Reset
					ESC: Exit

Field Name	Provision Factory Default
Default Value	[Disabled]
Possible Value	Enabled Disabled
Help	Provision factory default keys on next system re-boot while platform is in Setup Mode.

Field Name	Restore Factory Keys
Help	Reset the content of all UEFI Secure Boot key databases to their factory default values
Comment	

Field Name	Reset to Setup Mode
Help	Delete the content of all UEFI Secure Boot key databases. This puts the system in Setup Mode
Comment	

Field Name	Enroll Efi Image
Help	Allow the image to run in Secure Boot mode. Enroll SHA256 hash of an efi binary into Authorized Signature Database(db)
Comment	

Field Name	Export Secure Boot Variables
Help	Save NVRAM content of Secure Boot policy variables to the files

	(EFI_SIGNATURE_LIST data format) in root folder on a target file system device
Comment	

Field Name	Platform Key (PK) : 0 0 No Keys
Possible Value	Details Export Set New Delete
Help	Enroll Factory Defaults or load certificates from a file: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST b)EFI_CERT_X509 (DER encoded) c)EFI_CERT_RSA2048 (bin) d)EFI_CERT_SHA256,384,512 2.Authenticated UEFI Variable 3.EFI PE/COFF Image(SHA256) Key Source: Default,External,Mixed,TestAMI

Field Name	Key Exchange Key : 0 0 No Keys
Possible Value	Details Export Set New Append Delete
Help	Enroll Factory Defaults or load certificates from a file: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST b)EFI_CERT_X509 (DER encoded) c)EFI_CERT_RSA2048 (bin) d)EFI_CERT_SHA256,384,512 2.Authenticated UEFI Variable 3.EFI PE/COFF Image(SHA256) Key Source: Default,External,Mixed,TestAMI

Field Name	Authorized Signature : 0 0 No Keys
Possible Value	Details

	Export Set New Append Delete
Help	Enroll Factory Defaults or load certificates from a file: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST b)EFI_CERT_X509 (DER encoded) c)EFI_CERT_RSA2048 (bin) d)EFI_CERT_SHA256,384,512 2.Authenticated UEFI Variable 3.EFI PE/COFF Image(SHA256)\nKey Source: Default,External,Mixed,TestAMI

Field Name	Forbidden Signature : 0 0 No Keys
Possible Value	Details Export Set New Append Delete
Help	Enroll Factory Defaults or load certificates from a file: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST b)EFI_CERT_X509 (DER encoded) c)EFI_CERT_RSA2048 (bin) d)EFI_CERT_SHA256,384,512 2.Authenticated UEFI Variable 3.EFI PE/COFF Image(SHA256) Key Source: Default,External,Mixed,TestAMI

Field Name	Authorized TimeStamps : 0 0 No Keys
Possible Value	Set New Append
Help	Enroll Factory Defaults or load certificates from a file: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST b)EFI_CERT_X509 (DER encoded) c)EFI_CERT_RSA2048 (bin) d)EFI_CERT_SHA256,384,512 2.Authenticated UEFI Variable 3.EFI PE/COFF Image(SHA256)\nKey Source: Default,External,Mixed,TestAMI

Field Name	OsRecovery Signatures: 0 0 No Keys
Possible Value	Set New Append
Help	Enroll Factory Defaults or load certificates from a file: 1.Public Key Certificate in: a)EFI_SIGNATURE_LIST b)EFI_CERT_X509 (DER encoded) c)EFI_CERT_RSA2048 (bin) d)EFI_CERT_SHA256,384,512 2.Authenticated UEFI Variable 3.EFI PE/COFF Image(SHA256)\nKey Source: Default,External,Mixed,TestAMI

5. BOOT

Boot mode select = UEFI

Main	Advanced	Chipset	Boot	Security	Save & Exit
Boot Configuration				Item	help
Setup Prompt Timeout				3	
Bootup NumLock State				[On]	
Fast Boot				[Enable]	
FIXED BOOT ORDER Priorities					
Boot Option #1				[Hard Disk]	
Boot Option #2				[CD/DVD]	
Boot Option #3				[USB Hard Disk]	
Boot Option #4				[USB CD/DVD]	
Boot Option #5				[USB Key]	
Boot Option #6				[USB Floppy]	
Boot Option #7				[USB Lan]	
Boot Option #8				[Network]	
UEFI CD/DVD ROM Drive BBS Priorities				→←: Select Screen	
UEFI Hard Disk Drive BBS Priorities				↑↓: Select Item	
UEFI NETWORK Drive BBS Priorities				Enter: Select	
UEFI USB CD/DVD ROM Drive BBS Priorities				+/- : Change Opt	
UEFI USB Hard Disk Drive BBS Priorities				F1: General Help	
				F2: Previous Values	
				F3: Optimized Defaults	

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

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

Field Name	Fast Boot
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.

Boot mode select = UEFI

Field Name	Boot Option #1
Default Value	[Hard Disk]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #2
Default Value	[CD/DVD]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #3
Default Value	[USB Hard Disk]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #4
Default Value	[USB CD/DVD]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #5
Default Value	[USB Key]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #6
Default Value	[USB Floppy]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #7
Default Value	[USB Lan]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

Field Name	Boot Option #8
Default Value	[Network]
Possible Value	CD/DVD, Hard Disk, Network, USB CD/DVD, USB Hard Disk, USB KEY, USB Floppy, USB Lan
Help	Set the system boot order

6. SAVE & EXIT

Main	Advanced	Chipset	Security	Boot	Save & Exit
<p>Save Options</p> <p>Save Changes and Exit</p> <p>Discard Changes and Exit</p> <p>Save Changes and Reset</p> <p>Discard Changes and Reset</p> <p>Restore Defaults</p> <p>Boot Override</p>					<p>Item help</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 & Reset</p> <p>ESC: Exit</p>
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Field Name	Save Options
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Field Name	Save Changes and Exit
Help	Exit system setup after saving the changes.
Comment	

Field Name	Discard Changes and Exit
Help	Exit system setup without saving the changes.
Comment	

Field Name	Save Changes and Reset
Help	Reset the system after saving the changes.
Comment	

Field Name	Discard Changes and Reset
Help	Reset system setup without saving any changes.
Comment	

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