

D151-11KS

User Manual (Version 1.0)

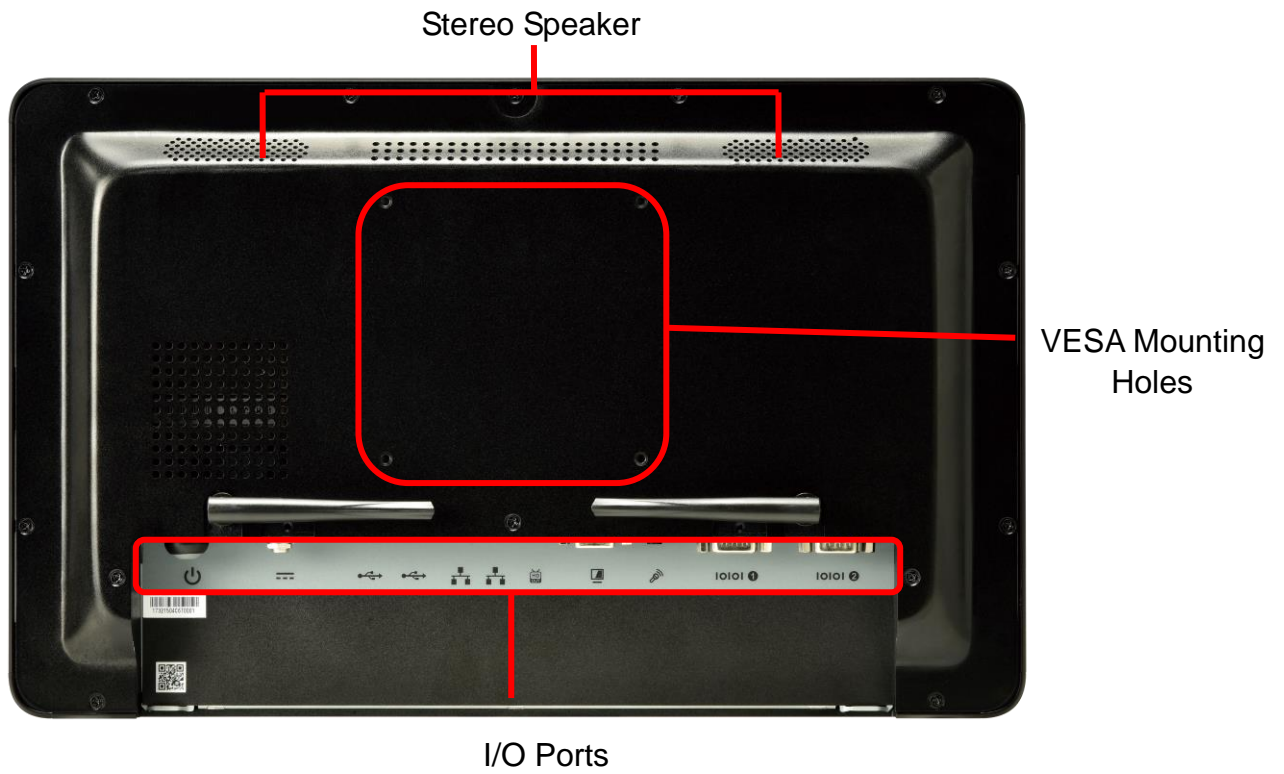
Introduction

D151 series are 15.6" ultra-thin and wide-screen fan-less Panel PC. D151-11KS is powered by Intel Kabylake-U core i processor and up to 32GB DDR4 memory. The distinct aluminum extrusion frame with matte black finish gives the system an understated luxury and elegant look. The series also featuring a bright TFT-LCD with LED backlight display and true flat 10-point projective capacitive multi-touch front panel that's front IP65 compliant, along with optional universal snap-in peripherals (MSR, Smart card reader, NFC/ RFID reader, barcode scanner, camera), making it perfect for diversified self-service and interactive signage markets including retail, hospitality, gaming, corporate, healthcare and light industrial applications.

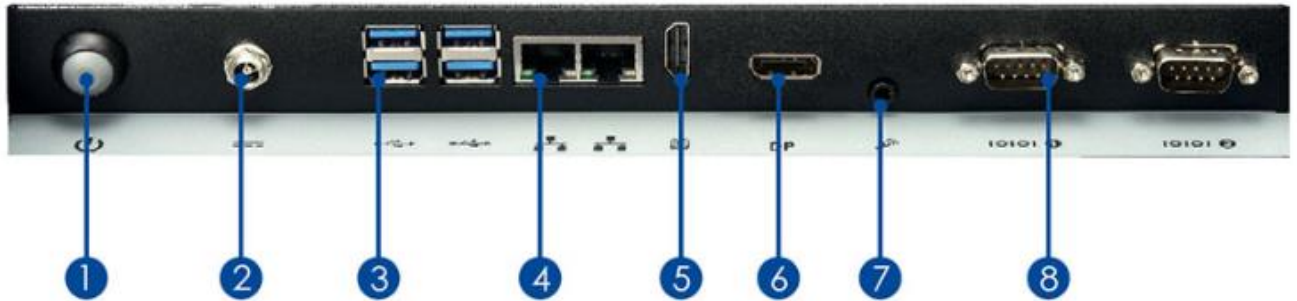
Front View



Rear View



Bottom View



- | | | | | | |
|---|------------|---|----------------|---|--------------|
| 1 | ⏻ Power | 4 | COM | 7 | 🎧 Audio Jack |
| 2 | ⎓ DC input | 5 | HDMI | 8 | COM |
| 3 | 🔌 USB 3.0 | 6 | DP DisplayPort | | |

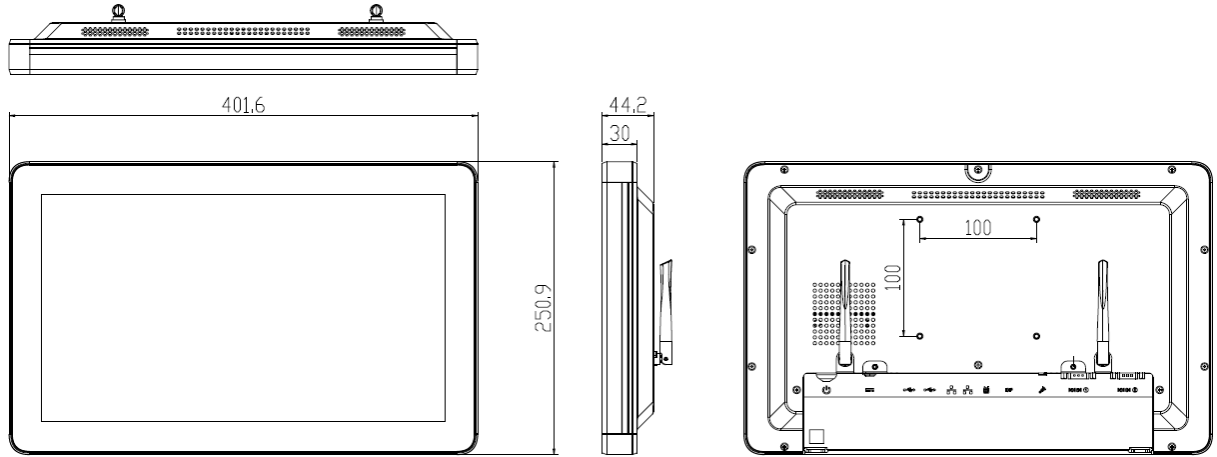
Side View



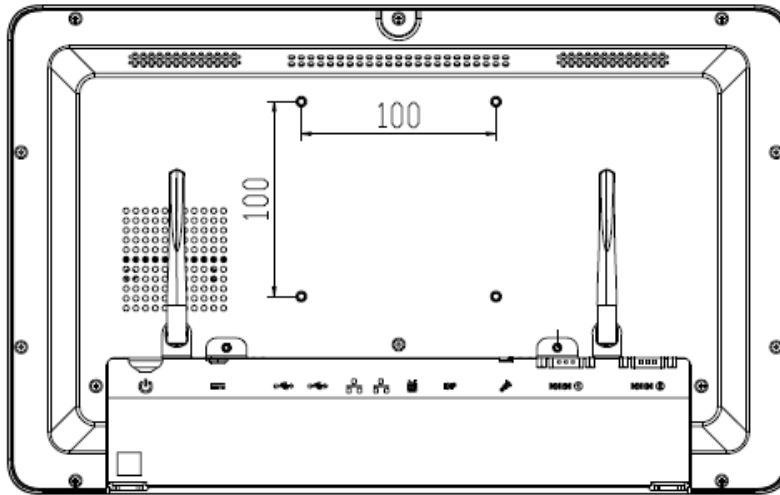
Groove design for optional modules

Mechanical Dimension

D151-11KS dimension: 401.6 x 250.9 x 44.2 mm



VESA mounting: 100 x 100 mm



Product Specifications

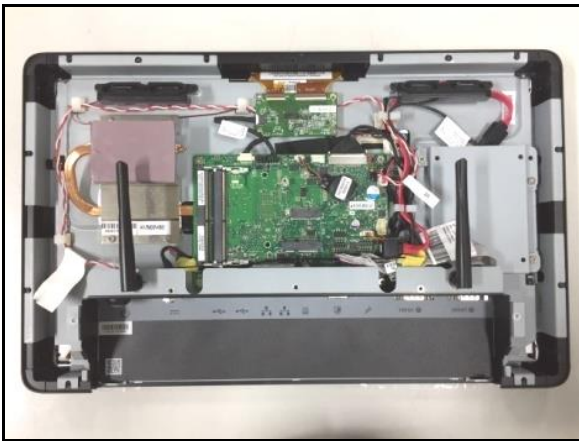
| | | |
|------------|--------------------------------|--|
| MECHANICAL | MOUNTING | VESA 100 / Stand |
| | DIMENSIONS (W X D X H) | 400 x 250 x 44 mm |
| | WEIGHT | 4.8kg (10.58 lb) |
| LCD | DISPLAY TYPE | 15.6" TFT-LCD |
| | MAX. RESOLUTION | 1366 x 768 |
| | MAX. COLORS | 16.2M (8 bit / color) |
| | LUMINANCE (cd/m ²) | 500 |
| | VIEWING ANGLE (H/V) | 170° / 160° |
| | LED BACKLIGHT LIFETIME (hrs) | 50,000 |
| | TOUCH SCREEN | P-CAP |
| | TOUCH SCREEN | True-flat 10 points |
| SYSTEM | PROCESSOR | 7th Gen Intel® Kaby Lake-U i3-7100U(Dual Core, 3MB Cache, 2.40 GHz) / option: 7th Gen Kaby Lake celeron 3965U / i5-7300U / i7-7600U / option: 6th Gen Skylake celeron 3955U / i3-6100U / i5-6300U / i7-6600U |
| | CHIPSET | Intel® SoC Integrated |
| | SYSTEM MEMORY | DDR4 2133 / 2400MHz / 2 x 260-pin SO-DIMM / Max. 32GB (Non-ECC) |
| | ETHERNET | Intel® I219-LM Giga LAN + Intel® I211-AT Giga LAN |

| | | |
|----------------------|---------------------------|--|
| POWER REQUIREMENT | I/O PORT | 2 x RJ45 / 1 x Audio Jack (combo Line-out + Mic-in) / 1 x RS232 / 1 x RS232 / 422 / 485 / 1 x DisplayPort 1.2 / 1 x DC Jack / 4 x USB 3.0 / 1 x HDMI 1.4 |
| | EXPANSION SLOT | M.2 2230 E key (PCIe, USB 2.0) / Mini PCIe Full size (PCIe / USB / SATA) |
| | STORAGE | 1 x SATA 2.5" HDD / SSD bay |
| | STEREO SPEAKER | 2 x 2W |
| | OS SUPPORT | 7th Gen Kaby Lake: Windows 10 64bit, Linux (support by request) / 6th Gen Skylake: Windows 7 32 / 64bit |
| | WATCHDOG TIMER | 1~255 steps by software program |
| | POWER INPUT | DC-in 8~24V |
| | POWER ADAPTER | AC to DC / DC19V / 3.4A / 65W adapter |
| ENVIRONMENTAL | OPERATING TEMPERATURE | 0~ 40°C (32 ~ 104°F) |
| | STORAGE TEMPERATURE | -20 ~ 60°C (-4 ~ 140°F) |
| | STORAGE HUMIDITY | 10% ~ 95% @40°C non-condensing |
| | VIBRATION RESISTANCE | Operating Random vibration Test 5-500Hz, 0.3 Grms@with HDD |
| | SHOCK RESISTANCE | Operating 50 G peak (3 ms duration) |
| | EMC | CE / FCC Class A |
| | FRONT PANEL PROTECTION | IP65 Compliant |

Quick Installation Guide



Remove cover screws
(Torque 3.5 +/-0.5 Kgf-cm)



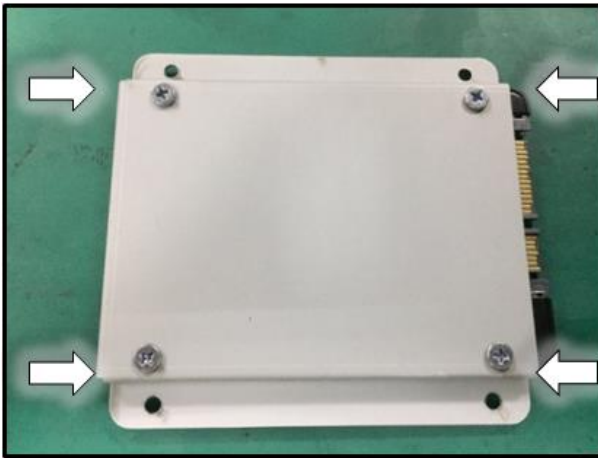
Open the cover



Install SODIMMs



Disassemble the HDD bracket
(Torque 5.5 +/-0.5 Kgf-cm)



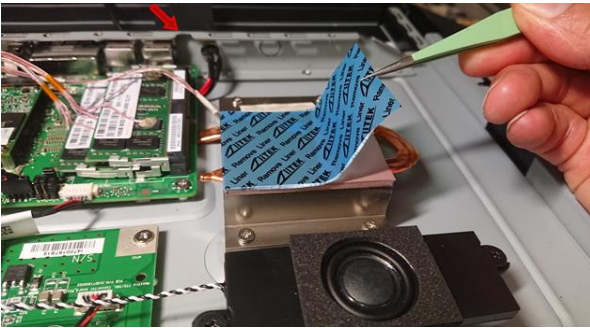
Install HDD
(Torque 5.5 +/-0.5 Kgf-cm)



Install HDD bracket and connect
the SATA cable
(Torque 5.5 +/-0.5 Kgf-cm)



Install wifi card and connect antennas
(Torque 2 +/- 0.2 Kgf-cm)



Remove the protection of thermal pad release paper before the assembly of Rear Cover



Secure cover screws
(Torque 3.5 +/-0.5 Kgf-cm)



USE HEX DRIVER TO INSTALL PERIPHERAL MODULE ON CHASSIS FRAME AND CONNECT USB CABLE



IF IO COVER REQUESTED, FIX
IT BY 2
SCREWS AND MAKE THE HOOK
INSERTED

BIOS Information

1. MAIN PAGE

| Main | | Advanced | Chipset | Security | Boot | Save & Exit |
|--|---------------------|----------|---------|----------|------|------------------|
| BIOS Information | | | | | | Item help |
| BIOS Vender | American Megatrends | | | | | |
| Core Version | 5.12 | | | | | |
| Compliance | UEFI 2.6 ; PI 1.4 | | | | | |
| BIOS Version | D7760A01 | | | | | |
| Build Date | 04/21/2017 | | | | | |
| Processor Information | | | | | | |
| Intel(R) CORE(TM) i5-7300U CPU @ 2.60GHz | | | | | | |
| Memory Information | | | | | | |
| Total Memory | 32768 MB | | | | | |
| Memory Frequency | 2133 MHz | | | | | |
| SATA Devices | | | | | | |
| SATA1 | Empty | | | | | |
| MSATA | Empty | | | | | |
| System Date | [Www mm/dd/yyyy] | | | | | |
| System Time | [hh:mm:ss] | | | | | |
| →←: 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 | BIOS Vender |
| Default Value | AMI Megatrends |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|---------------|---|
| Field Name | Core Version |
| Default Value | 5.12 |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|---------------|---|
| Field Name | Compliance |
| Default Value | UEFI 2.6 ; PI 1.4 |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|---------------|---|
| 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 date 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 | 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 Frequency |
| Value | Display the installed memory frequency. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|------------|---|
| Field Name | SATA1 |
| Value | Display the installed SATA port device. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|------------|---|
| Field Name | MSATA |
| Value | Display the installed SATA port device. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|----------------|---|
| Field Name | System Date |
| Default Value | [Www mm/dd/yyyy] |
| Possible Value | Www : Mon/Tue/Wed/Thu/Fri/Sat/Sun mm : 1-12 dd : 1-31 yyyy : 1998-9999 |
| Help | Set the Date. Use Tab to switch between Date elements. |

| | |
|----------------|--|
| Field Name | System Time |
| Default Value | [hh :mm :ss] |
| Possible Value | hh : 0-23 mm : 0-59 ss : 0-59 |
| Help | Set the Time. Use Tab to switch between Time elements. |

2. ADVANCED PAGE

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|----------|------|--|
| <ul style="list-style-type: none"> ▶ CPU Configuration ▶ Trusted Computing ▶ ACPI Settings ▶ SMART Settings ▶ Super IO Configuration ▶ Hardware Monitor ▶ S5 RTC Wake Settings ▶ Network Stack Configuration | | | | | <p style="text-align: center;">Item help</p> <p>→←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</p> |
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| | |
|------------|---|
| Field Name | CPU Configuration |
| Help | CPU Configuration Parameters. |
| 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 | ACPI Settings |
| Help | System ACPI Parameters. |
| 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 | Super IO Configuration |
| Help | System Super IO Chip Parameters. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|---|
| Field Name | Hardware Monitor |
| Help | Monitor hardware status |
| 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 | Network Stack Configuration |
| Help | Network Stack Settings. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

2.1 CPU CONFIGURATION

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|--|---------|----------|------|------------------------|
| CPU Configuration | | | | | Item help |
| Type | Intel(R) Core(TM) CPU i5-7300U @ 2.60 GHz | | | | |
| ID | 0x806E9 | | | | |
| Speed | 2700 MHz | | | | |
| L1 Data Cache | 32 KB x 2 | | | | |
| L1 Code Cache | 32 KB x 2 | | | | |
| L2 Cache | 256 KB x 2 | | | | |
| L3 Cache | 3MB | | | | |
| L4 Cache | N/A | | | | |
| VMX | Supported | | | | |
| SMX/TXT | Supported | | | | |
| Hardware Prefetcher | [Enabled] | | | | →←: Select Screen |
| Adjacent Cache Line Prefetch | [Enabled] | | | | ↑↓: Select Item |
| Active Processor Cores | [All] | | | | Enter: Select |
| Hyper-Threading | [Enabled] | | | | +/- : Change Opt |
| Intel Trusted Execution Technology | [Disabled] | | | | F1: General Help |
| | | | | | F2: Previous Values |
| | | | | | F3: Optimized Defaults |
| | | | | | F4: Save & Reset |
| | | | | | ESC: Exit |
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| Field Name | Type |
|---------------|---|
| Default Value | [Intel CPU Brand String] |
| Comment | This field is not selectable. There is no help text associated with it. |

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

| Field Name | Speed |
|---------------|---|
| Default Value | Displays the CPU Speed |
| 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 | L4 Cache |
| Default Value | L4 Cache Size |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|---------------|---|
| Field Name | VMX |
| Default Value | VMX Supported or Not |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|---------------|---|
| Field Name | SMX/TXT |
| Default Value | SMX/TXT Supported or Not |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|----------------|---|
| Field Name | Hardware Prefetcher |
| Default Value | [Enabled] |
| Possible Value | Enabled Disabled |
| Help | To turn on/off the MLC streamer prefetcher. |

| | |
|----------------|---|
| Field Name | Adjacent Cache Line Prefetch |
| Default Value | [Enabled] |
| Possible Value | Enabled Disabled |
| Help | To turn on/off the prefetching of adjacent cache lines. |

| | |
|----------------|--|
| Field Name | Active Processor Cores |
| Default Value | [All] |
| Possible Value | All 1 |
| Help | Number of cores to enable in each processor package. |

| | |
|----------------|---|
| Field Name | Hyper-Threading |
| Default Value | [Enabled] |
| Possible Value | Enabled Disabled |
| Help | Enabled for Windows XP and Linux (OS optimized for Hyper-Threading Technology) and Disabled for other OS (OS not optimized for Hyper-Threading Technology). |

| | |
|----------------|---|
| Field Name | Intel Trusted Execution Technology |
| Default Value | [Disabled] |
| Possible Value | Enabled Disabled |
| Help | Enables utilization of additional hardware capabilities provided by Intel (R) Trusted Execution Technology. Changes require a full power cycle to take effect. |

2.2 TRUSTED COMPUTING (OPTIONAL)

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|----------|------|--|
| TPM20 Device Found Vender : NTC Firmware Version: 1.3 | | | | | Item help |
| Security Device Support [Enable] | | | | | →←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Pending operation [None] | | | | | |
| TPM2.0 UEFI Spec Version [TCG_2] | | | | | |
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| | |
|----------------|---|
| Field Name | Security Device SUPPORT |
| Default Value | [Enable] |
| Possible Value | Enable Disable |
| Help | 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. |

| | |
|----------------|--|
| 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. |

| | |
|----------------|--|
| Field Name | TPM2.0 UEFI Spec Version |
| Default Value | [TCG_2] |
| Possible Value | TCG_1_2 TCG_2 |
| Help | Select the TCG2 Spec Version Support,TCG_1_2: the Compatible mode for Win8/Win10,TCG_2: Support new TCG2 protocol and event format for Win10 or later. |

2.3 ACPI SETTINGS

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|------|--|
| ACPI Settings | | | | | Item help |
| Enable ACPI Auto Configuration [Disabled] | | | | | →←-: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Enable Hibernation [Enabled] | | | | | |
| ACPI Sleep State [S3 (Suspend to RAM)] | | | | | |
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| | |
|----------------|---|
| Field Name | Enable ACPI Auto Configuration |
| Default Value | [Disabled] |
| Possible Value | Enabled Disabled |
| Help | Enables or Disables BIOS ACPI Auto Configuration. |

| | |
|----------------|---|
| Field Name | Enable Hibernation |
| Default Value | [Enabled] |
| Possible Value | Enabled Disabled |
| Help | Enables or Disables System ability to Hibernate (OS/S4 Sleep State). This option may be not effective with some OS. |

| | |
|----------------|---|
| Field Name | ACPI Sleep State |
| Default Value | [S3 (Suspend to RAM)] |
| Possible Value | Suspend Disabled S3 (Suspend to RAM) |
| Help | Select the highest ACPI sleep state the system will enter when the SUSPEND button is pressed. |

2.4 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. |

2.5 SUPER IO CONFIGURATION

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|----------|------|--|
| SIO Configuration | | | | | Item help |
| <ul style="list-style-type: none"> ▶ Serial Port 1 Configuration ▶ Serial Port 2 Configuration ▶ Serial Port 3 Configuration ▶ Serial Port 4 Configuration | | | | | <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 | Serial Port 1 Configuration |
| Help | Set Parameters of Port 1 (COMA) |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|---|
| Field Name | Serial Port 2 Configuration |
| Help | Set Parameters of Port 2 (COMB) |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|---|
| Field Name | Serial Port 3 Configuration |
| Help | Set Parameters of Port 3 (COMC) |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|---|
| Field Name | Serial Port 4 Configuration |
| Help | Set Parameters of Port 4 (COMD) |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

2.5.1 Serial Port 1 Configuration

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|-----------------|--|
| Serial Port 1 Configuration | | | | | Item help |
| Serial Port | | | | [Enabled] | →←: Select Screen ↑ ↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Device Settings | | | | IO=3E8h; IRQ=7; | |
| Change Settings | | | | [Auto] | |
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| | |
|----------------|------------------------------------|
| Field Name | Serial Port |
| Default Value | [Enabled] |
| Possible Value | Disabled Enabled |
| Help | Enable or Disable Serial Port(COM) |

| | |
|---------------|---|
| Field Name | Device Settings |
| Default Value | Device Super IO COM1 Address and IRQ. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|----------------|---|
| Field Name | Change Settings |
| Default Value | [Auto] |
| Possible Value | Auto IO=3E8h; IRQ=7; IO=3E8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2E8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2F0h; IRQ=3,4,5,6,7,9,10,11,12; IO=2E0h; IRQ=3,4,5,6,7,9,10,11,12; |
| Help | Select an optimal settings for Super IO Device |

2.5.2 Serial Port 2 Configuration

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|-----------------|---|
| Serial Port 2 Configuration | | | | | Item help |
| Serial Port | | | | [Enabled] | →←: Select Screen ↑ ↓ : Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Device Settings | | | | IO=2E8h; IRQ=5; | |
| Change Settings | | | | [Auto] | |
| Mode Configuration | | | | [3T/5R RS232] | |
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| | |
|----------------|------------------------------------|
| Field Name | Serial Port |
| Default Value | [Enabled] |
| Possible Value | Disabled Enabled |
| Help | Enable or Disable Serial Port(COM) |

| | |
|---------------|---|
| Field Name | Device Settings |
| Default Value | Device Super IO COM2 Address and IRQ. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|----------------|---|
| Field Name | Change Settings |
| Default Value | [Auto] |
| Possible Value | Auto IO=2E8h; IRQ=7; IO=3E8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2E8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2F0h; IRQ=3,4,5,6,7,9,10,11,12; IO=2E0h; IRQ=3,4,5,6,7,9,10,11,12; |
| Help | Select an optimal settings for Super IO Device |

| | |
|----------------|---|
| Field Name | Mode Configuration |
| Default Value | [3T/5R RS232] |
| Possible Value | 1T/1R RS422 3T/5R RS232 1T/1R RS485 TX ENABLE Low Active 1T/1R RS422 with termination resistor 1T/1R RS485 with termination resistor TX ENABLE Low Active Disabled |
| Help | Configure serial port as RS232/RS422/RS485. |

2.5.3 Serial Port 3 Configuration

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|-----------------|---|
| Serial Port 3 Configuration | | | | | Item help |
| Serial Port | | | | [Enabled] | →←: Select Screen ↑ ↓ : Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Device Settings | | | | IO=3F8h; IRQ=4; | |
| Change Settings | | | | [Auto] | |
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| | |
|----------------|------------------------------------|
| Field Name | Serial Port |
| Default Value | [Enabled] |
| Possible Value | Disabled Enabled |
| Help | Enable or Disable Serial Port(COM) |

| | |
|---------------|---|
| Field Name | Device Settings |
| Default Value | Device Super IO COM3 Address and IRQ. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|----------------|---|
| Field Name | Change Settings |
| Default Value | [Auto] |
| Possible Value | Auto IO=3F8h; IRQ=4; IO=3F8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2F8h; IRQ=3,4,5,6,7,9,10,11,12; IO=3E8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2E8h; IRQ=3,4,5,6,7,9,10,11,12; |
| Help | Select an optimal settings for Super IO Device |

2.5.4 Serial Port 4 Configuration

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|-----------------|---|
| Serial Port 4 Configuration | | | | | Item help |
| Serial Port | | | | [Enabled] | →←: Select Screen ↑ ↓ : Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Device Settings | | | | IO=2F8h; IRQ=3; | |
| Change Settings | | | | [Auto] | |
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| | |
|----------------|------------------------------------|
| Field Name | Serial Port |
| Default Value | [Enabled] |
| Possible Value | Disabled Enabled |
| Help | Enable or Disable Serial Port(COM) |

| | |
|---------------|---|
| Field Name | Device Settings |
| Default Value | Device Super IO COM4 Address and IRQ. |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|----------------|---|
| Field Name | Change Settings |
| Default Value | [Auto] |
| Possible Value | Auto IO=2F8h; IRQ=3; IO=3F8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2F8h; IRQ=3,4,5,6,7,9,10,11,12; IO=3E8h; IRQ=3,4,5,6,7,9,10,11,12; IO=2E8h; IRQ=3,4,5,6,7,9,10,11,12; |
| Help | Select an optimal settings for Super IO Device |

2.6 HARDWARE MONITOR

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|------------|------------------------|
| PC Health Status | | | | | Item help |
| CPU temperature | | | | : xx °C | →←: Select Screen |
| CPU VR temperature | | | | : xx °C | ↑↓: Select Item |
| DIMM temperature | | | | : xx °C | Enter: Select |
| Fan Speed | | | | : xxxx RPM | +/- : Change Opt |
| 1V StandBy | | | | : x.xxx V | F1: General Help |
| CPU Vcore | | | | : x.xxx V | F2: Previous Values |
| System Memory | | | | : x.xxx V | F3: Optimized Defaults |
| +12V StandBy | | | | : x.xxx V | F4: Save & Reset |
| | | | | | ESC: Exit |
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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 |
| Help | Enabler or disable System wake on alarm event, Select FixedTime, system will wake on the hr::min::sec specified. |

| | |
|----------------|---|
| 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 |

2.8 NETWORK STACK CONFIGURATION

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|----------|------|--|
| Network stack [Disabled] Ipv4 PXE Support [Disabled] Ipv6 PXE Support [Disabled] | | | | | Item help →←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Version 2.18.1264. Copyright (C) 2017 American Megatrends, Inc. | | | | | |

| | |
|----------------|---|
| Field Name | Network stack |
| Default Value | [Disabled] |
| Possible Value | Disabled (Restore non-Windows 8 Default) Enabled |
| Help | Enable/Disable UEFI Network stack. |

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

3. CHIPSET PAGE

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|------|---|
| <ul style="list-style-type: none"> ▶ System Agent (SA) Configuration ▶ PCH-IO Configuration | | | | | 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 | System Agent (SA) Configuration |
| Help | System Agent (SA) Parameters |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

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

3.1 SYSTEM AGENT (SA) CONFIGURATION

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|----------|------|--|
| System Agent (SA) Configuration | | | | | Item help |
| <ul style="list-style-type: none"> ▶ Memory Configuration ▶ Graphics Configuration | | | | | →←-: 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 | Memory Configuration |
| Help | Memory Configuration Parameters |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

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

3.1.1 Memory Configuration

| Main | Advanced | Chipset | Boot | Security | Save & Exit |
|---|----------|---------|------|-----------------|------------------------|
| Memory Configuration | | | | | Item help |
| Memory Frequency | | | | 2133 Mhz | →←: Select Screen |
| DIMM#1 | | | | 16384 MB (DDR4) | ↑↓: Select Item |
| DIMM#2 | | | | 16384 MB (DDR4) | Enter: Select |
| | | | | | +/- : Change Opt |
| | | | | | F1: General Help |
| | | | | | F2: Previous Values |
| | | | | | F3: Optimized Defaults |
| | | | | | F4: Save & Reset |
| | | | | | ESC: Exit |
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| | |
|------------|---|
| Field Name | Memory Frequency |
| Help | Memory speed |
| Comment | This field is not selectable. There is no help text associated with it. |

| | |
|------------|---|
| Field Name | DIMM#[1:2] |
| Help | Memory in the DIMM. |
| Comment | This field is not selectable. There is no help text associated with it. |

3.1.2 Graphics Configuration

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|------|---|
| Graphics Configuration | | | | | Item help |
| DVMT Pre-Allocated [32M] | | | | | →←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| DVMT Total Gfx Mem [256M] | | | | | |
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| | |
|----------------|--|
| Field Name | DVMT Pre-Allocated |
| Default Value | [32M] |
| Possible Value | 32M / 64M / 4M/ 8M/ 12M/ 16M/ 20M/ 24M/ 28M/ (32M/F7)/ 36M/ 40M/ 44M/ 48M/ 52M/ 56M/ 60M |
| 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 | [256M] |
| Possible Value | 128MB / 256MB / MAX |
| Help | Select DVMT5.0 Total Graphic Memory size used by the Internal Graphics Device. |

3.2 PCH-IO CONFIGURATION

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|------|------------------------|
| PCH-IO Configuration | | | | | Item help |
| ▶ HD Audio Configuration | | | | | →←: Select Screen |
| DeepSx Power Policies [Disabled] | | | | | ↑↓: Select Item |
| Wake On LAN [Enabled] | | | | | Enter: Select |
| State After G3 [S5 State] | | | | | +/- : Change Opt |
| | | | | | F1: General Help |
| | | | | | F2: Previous Values |
| | | | | | F3: Optimized Defaults |
| | | | | | F4: Save & Reset |
| | | | | | ESC: Exit |
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| | |
|------------|---|
| Field Name | HD Audio Configuration |
| Help | HD Audio Subsystem Configuration Settings |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|----------------|--|
| Field Name | DeepSx Power Policies |
| Default Value | [Disabled] |
| Possible Value | Enabled in S4-S5 Disabled |
| Help | configure the DeepSx Mode configuration. |

| | |
|----------------|---|
| Field Name | Wake On LAN |
| Default Value | [Enabled] |
| Possible Value | Enabled Disabled |
| Help | Enabled/Disabled integrated LAN to wake the system. |

| | |
|----------------|--|
| Field Name | State After G3 |
| Default Value | [S5 State] |
| Possible Value | S0 State S5 State |
| Help | Specify what state to go to when power is re-applied after a power failure (G3 state). |

3.2.1 HD Audio Configuration

| Main | Advanced | Chipset | Boot | Security | Save & Exit |
|---|----------|---------|------|----------|--|
| HD Audio Subsystem Configuration Settings | | | | | Item help |
| HD Audio [Auto] | | | | | →←: 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 | HD Audio |
| Value | [Auto] |
| Possible Value | Auto / Enable / Disable |
| Help | Control Detection of HD-Audio device. Disabled = HDA will be unconditionally disabled Enable = HDA will be unconditionally enabled Auto = HDA will be enabled if present, disabled otherwise. |

4. SECURITY PAGE

| Main | Advanced | Chipset | Security | Boot | Save & Exit | | | | |
|--|----------|---------|----------|------|--|---|----------------|----|-------------------------|
| <p>Password Description</p> <p>If Only the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.</p> <p>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..</p> <p>The password length must be in the following range:</p> <table> <tr> <td>Minimum length</td> <td>3</td> </tr> <tr> <td>Maximum length</td> <td>20</td> </tr> </table> <p>Administrator Password</p> <p>User Password</p> <p>HDD Security Configuration:</p> <p>HDD Security drive</p> <p>▶ Secure Boot</p> | | | | | Minimum length | 3 | Maximum length | 20 | <p>Item help</p> |
| Minimum length | 3 | | | | | | | | |
| Maximum length | 20 | | | | | | | | |
| | | | | | <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 | Administrator Password |
| Help | Set Administrator Password |

| | |
|------------|----------------------|
| Field Name | User Password |
| Help | Set User Password. |

| | |
|------------|---|
| Field Name | HDD Security drive |
| 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. |

4.1 HDD SECURITY

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|----------|------|--|
| <p>HDD Password Description :</p> <p>Allows Access to Set, Modify and Clear HardDisk User and Master Passwords. 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>If the 'Set HDD Password' option is grayed out, do power cycle to enable the option again.</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 : INSTALLED</p> <p>Set User Password</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 | Set User Password |
|------------|--|
| Help | Set HDD User Password. *** Advisable to Power Cycle System after Setting Hard Disk Passwords ***.Discard or Save changes option in setup does not have any impact on HDD when password is set or removed. If the 'Set HDD User Password' option is grayed out, do power cycle to enable the option again |

4.2 SECURE BOOT

| Main | Advanced | Chipset | Security | Boot | Save & Exit | Item | help |
|---|----------|---------|----------|------------|-------------|------|------------------------|
| System Mode | | | | Setup | | | |
| Secure Boot | | | | Not Active | | | →←: Select Screen |
| Vendor Keys | | | | Active | | | ↑↓: Select Item |
| Attempt Secure Boot | | | | [Disabled] | | | Enter: Select |
| Secure Boot Mode | | | | [Custom] | | | +/- : Change Opt |
| ▶ Key Management | | | | | | | F1: General Help |
| | | | | | | | F2: Previous Values |
| | | | | | | | F3: Optimized Defaults |
| | | | | | | | F4: Save & Reset |
| | | | | | | | ESC: Exit |
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| | |
|----------------|---|
| Field Name | Attempt Secure Boot |
| Default Value | [Disabled] |
| 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 | [Custom] |
| Possible Value | Standard Custom |
| Help | Secure Boot mode selector: Standard/Custom. In Custom Mode Secure Boot Variables can be configured without authentication. |

| | |
|------------|---|
| Field Name | Key Management |
| Help | Enables expert users to modify Secure Boot Policy variables without full authentication |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

4.2.1 Key Management

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|--|----------|---------|------------|------|--|
| Provision Factory Defaults [Disabled] | | | | | Item help |
| <ul style="list-style-type: none"> ▶ Install Factory Default Keys ▶ Enroll Efi Image ▶ Save All Secure Boot Variables | | | | | →←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Secure Boot variable | Size | Key# | Key Source | | |
| ▶ Platform Key(PK) | 0 | 0 | No Key | | |
| ▶ Key Exchange Key | 0 | 0 | No Key | | |
| ▶ Authorized Signatures | 0 | 0 | No Key | | |
| ▶ Forbidden Signatures | 0 | 0 | No Key | | |
| ▶ Authorized TimeStamps | 0 | 0 | No Key | | |
| ▶ OsRecovery Signatures | 0 | 0 | No Key | | |
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| | |
|----------------|--|
| Field Name | Provision Factory Defaults |
| Default Value | [Disabled] |
| Possible Value | Enabled Disabled |
| Help | Allow to provision factory default Secure Boot keys when System is in Setup Mode |

| | |
|------------|--|
| Field Name | Install Factory Default Keys |
| Help | Force System to User Mode - install all Factory Default keys |
| Comment | |

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

| | |
|------------|--|
| Field Name | Save All 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) |
| Default Value | Size:0, Key#:0, Key source: No Key |
| 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,Test |
| comment | Press Enter when selected to go into the associated Sub-Menu “Key Management”. |

| | |
|---------------|---|
| Field Name | Key Exchange Key |
| Default Value | Size:0, Key#:0, Key source: No Key |
| 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,Test |
| comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|---------------|---|
| Field Name | Authorized Signature |
| Default Value | Size:0, Key#:0, Key source: No Key |
| 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,Test |
| comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|---------------|---|
| Field Name | Forbidden Signature |
| Default Value | Size:0, Key#:0, Key source: No Key |
| 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,Test |
| comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|---------------|---|
| Field Name | Authorized TimeStamps |
| Default Value | Size:0, Key#:0, Key source: No Key |
| 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,Test |
| comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|---------------|---|
| Field Name | OsRecovery Signatures |
| Default Value | Size:0, Key#:0, Key source: No Key |
| 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,Test |
| comment | Press Enter when selected to go into the associated Sub-Menu. |

5. BOOT PAGE

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|------|------------------------|
| Boot Configuration | | | | | Item help |
| Setup Prompt Timeout | | | | | 1 |
| Bootup NumLock State | | | | | [On] |
| Boot Mode Select | | | | | [UEFI] |
| FIXED BOOT ORDER Priorities | | | | | →←: Select Screen |
| Boot Option #1 | | | | | [USB Floppy] |
| Boot Option #2 | | | | | [USB CD/DVD] |
| Boot Option #3 | | | | | [Hard Disk] |
| Boot Option #4 | | | | | [USB Key] |
| Boot Option #5 | | | | | [USB Hard Disk] |
| Boot Option #6 | | | | | [USB Lan] |
| Boot Option #7 | | | | | [Network] |
| ▶ (UEFI) USB Floppy Drive BBS Priorities | | | | | ↑↓: Select Item |
| ▶ (UEFI) USB CD/DVD Drive BBS Priorities | | | | | Enter: Select |
| ▶ (UEFI) Hard Disk Drive BBS Priorities | | | | | +/- : Change Opt. |
| ▶ (UEFI) USB Key Drive BBS Priorities | | | | | F1: General Help |
| ▶ (UEFI) USB Hard Disk Drive BBS Priorities | | | | | F2: Previous Values |
| ▶ (UEFI) USB Lan Drive BBS Priorities | | | | | F3: Optimized Defaults |
| ▶ (UEFI) Network Drive BBS Priorities | | | | | F4: Save & Reset |
| | | | | | ESC: Exit |
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| | |
|----------------|---|
| Field Name | Setup Prompt Timeout |
| Default Value | 1 |
| Possible Value | 1~65535 |
| Help | Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting. |

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

| | |
|------------|-------------------------|
| Field Name | Boot Mode Select |
|------------|-------------------------|

| | |
|----------------|---|
| Default Value | [UEFI] |
| Possible Value | LEGACY (Support Skylake series for Win7) UEFI |
| Help | Select boot mode LEGACY/UEFI |

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

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

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

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

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

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

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

| | |
|------------|--|
| Field Name | (UEFI) USB Floppy Drive BBS Priorities |
| Help | Specifies the Boot Device Priority sequence from available USB Floppy Drives. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|--|
| Field Name | (UEFI) USB CD/DVD ROM Drive BBS Priorities |
| Help | Specifies the Boot Device Priority sequence from available USB CDROM/DVD Drives. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|--|
| Field Name | (UEFI) USB Hard Disk Drive BBS Priorities |
| Help | Specifies the Boot Device Priority sequence from available USB Hard Disk Drives. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|--|
| Field Name | (UEFI) USB KEY Drive BBS Priorities |
| Help | Specifies the Boot Device Priority sequence from available USB Key Drives. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|--|
| Field Name | (UEFI) Hard Disk Drive BBS Priorities |
| Help | Specifies the Boot Device Priority sequence from available Hard Disk Drives. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

| | |
|------------|--|
| Field Name | (UEFI) NETWORK Drive BBS Priorities |
| Help | Specifies the Boot Device Priority sequence from available NETWORK Drives. |
| Comment | Press Enter when selected to go into the associated Sub-Menu. |

5.1 (LIST BOOT DEVICE TYPE) DRIVE BBS PRIORITIES

| Main | Advanced | Chipset | Security | Boot | Save & Exit |
|---|----------|---------|----------|----------------------|---|
| Boot Option #1 | | | | [Boot Device Name 1] | Item help →←: Select Screen ↑↓: Select Item Enter: Select +/- : Change Opt F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit |
| Boot Option #2 | | | | [Boot Device Name 2] | |
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| | |
|----------------|---------------------------------|
| Field Name | Boot Option #1 |
| Default Value | |
| Possible Value | Boot Device Name 1 of this type |
| Help | Sets the system boot order |

| | |
|----------------|---------------------------------|
| Field Name | Boot Option #2 |
| Default Value | |
| Possible Value | Boot Device Name 2 of this type |
| Help | Sets the system boot order |

6. SAVE & EXIT PAGE

| Main | Advanced | Chipset | Security | Boot | Save & Exit | |
|---|----------|---------|----------|------|-------------|--|
| Save Options Discard Changes and Exit Save Changes and Reset Discard Changes and Reset Restore Defaults | | | | | | 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 | Discard Changes and Exit |
| Help | Exit system setup with without saving any changes. |

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

| | |
|------------|--|
| Field Name | Discard Changes and Rest |
| Help | Reset system setup without saving any changes. |

| | |
|------------|---|
| Field Name | Restore Defaults |
| Help | Restore/Load Legacy Default values for all the setup options. |