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---

1	.....	1
2	.....	2
2.1	.....	2
2.2	.....	3
3	.....	4
3.1	.....	4
3.2	.....	5
4	.....	6
4.1	.....	6
4.2	.....	7
5 BIOS	.....	9
5.1	.....	9
5.2 CSTIPC	.....	10
5.3	.....	14

# 1

1.

2.                   -10 <=           <=+60    95%RH

3

## 2

### 2.1

			Intel Sky Lake/Kaby Lake
	Intel Core i3/i5/i7		Win7/Win10 Linux
234mm	163.6mm	70.6mm	
			Intel
	IO		

2.2

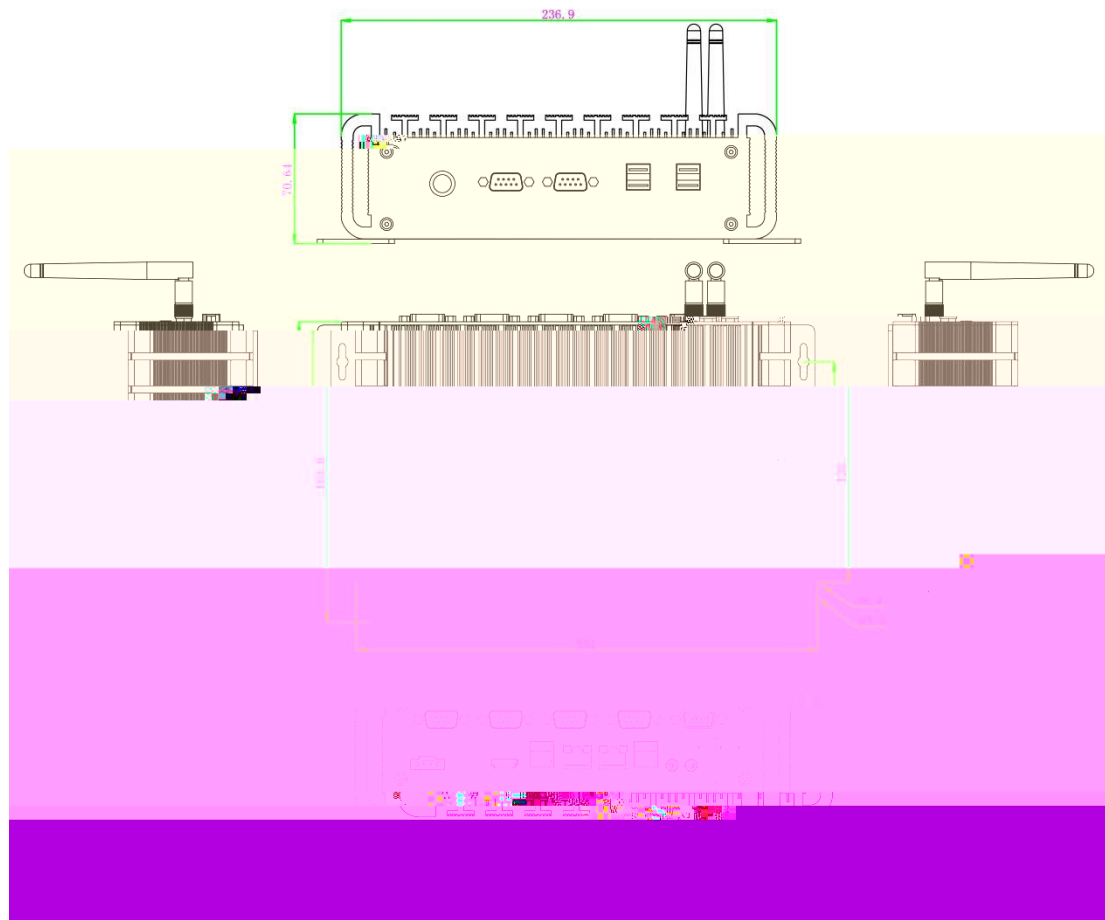
?


3

3.1



**3.2**



**mm**



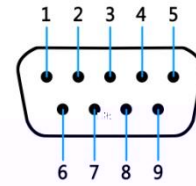
## 4

### 4.1

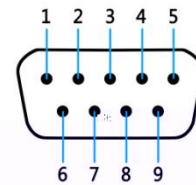
## 4.2

### COM1~3

JP/CN	pin#	Signal	pin#	Signal
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### COM4~6



### USB

*USB Type-A*

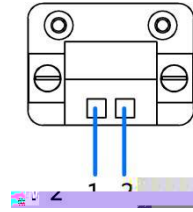
### HDMI

*HDMI*

*MIC-IN & LINE-OUT*

*3.5mm*

JP/CN	pin#	Signal
12V-IN	1	+12V
	2	GND



## 5 BIOS

F10                      F2                      BIOS  
<Save & Exit>

### 5.1


BIOS

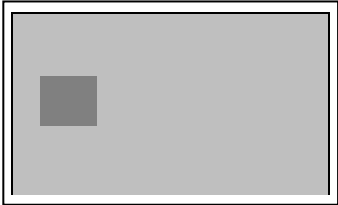
Aptio Setup Utility						
Main	CSTIPC	Advanced	Chipset	Boot	Security	Save & Exit
System Language:                      [English]						Item Specific Help
System Time:                              [10:50:34]						
System Date:                              [01/01/2012]						
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

System Time


System Date

## 5.2 CSTIPC

BIOS		<CSTIPC>		<AC Power Loss Setting>	
Power ON				Power Off	
Aptio Setup Utility					
CSTIPC					
Restore AC Power Loss		[Power off]		Item Specific Help	
					
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

BIOS		<CSTIPC>		<Watchdog Setting>		<Watchdog Setting>	
Aptio Setup Utility							
CSTIPC							
WatchDog Setting		[Disabled]		Item Specific Help			
							
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults	
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit	

BIOS                      <CSTIPC>    <S5 RTC Wake Setting>    <Wake system with Fixed  
Time>                      Enable


Aptio Setup Utility					
CSTIPC					
Wake system with Fixed Time    [Disabled]				Item Specific Help	
					
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

/ /                      8:30:00


Aptio Setup Utility					
CSTIPC					
Wake system with Fixed Time    [Enabled]				Item Specific Help	
Wake up hour                      0					
Wake up minute                  0					
Wake up second                  0					
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

:                      ok

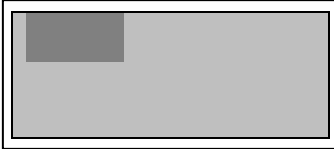
BIOS                      <CSTIPC>    <LAN PXE Setting>    <Network>  
LAN1                      PXE

Aptio Setup Utility					
CSTIPC					
Network				[Do not launch]	
				Item Specific Help	
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

BIOS                      <CSTIPC>    <SATA Model Setting>    <SATA Mode Selection>

Aptio Setup Utility					
CSTIPC					
SATA Mode Selection				[AHCI]	
				Item Specific Help	
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

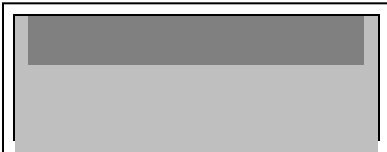
bios                      bios  
 BIOS                      <CSTIPC>      <Special Setting>      <BIOS Lock>  
 Disable

Aptio Setup Utility					
CSTIPC					
BIOS Lock		[Enable]		Item Specific Help	
					
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

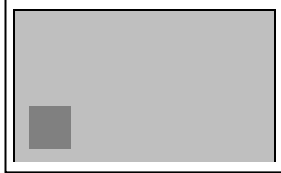


### 5.3

BIOS		<boot>				
Aptio Setup Utility						
Main	CSTIPC	Advanced	Chipset	Boot	Security	Save & Exit
Boot Configuration						Item Specific Help
Setup Prompt Timeout			1			
Bootup NumLock State			[On]			
Quiet Boot			[Disable]			
Boot Option Priorities						
Boot Option #1			[KinstongDataT...]			
Boot Option #2			[UEFI Kingsto...]			
Boot Option #3			[UEFI: Built- ...]			
Hard Drive BBS Priorities						
CSM16 Parameters						
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

<Hard Driver BBS Priorities>		<Boot Option #1>		Boot	
Aptio Setup Utility					
Boot					
Boot Option #1					Item Specific Help
Boot Option #2					
					
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

BIOS Configuration > <Chipset> <Systems Agent Configuration> <Graphics Configuration> <DVMT Total Gfx Mem>

Aptio Setup Utility			
Chipset			
Graphics Configuration			Item Specific Help
IGFX VBIOS Version	1032		
IGfx Frequency	400MHz		
Graphics Turbo IMON Current	31		
Aperture Size	[256MB]		
DVMT Pre-Allocated	[32M]		
DVMT Total Gfx Mem	[256M]		
Gfx Low Power Mode	[Enable]		
			
F1 Help	Select Item	-/+ Change Values	F9 Setup Defaults
Esc Exit	Select Menu	Enter Select Sub-Menu	F10 Save and Exit

MAX"

BIOS CMOS

<Advanced>

<IT8786E Super IO Configuration>

Aptio Setup Utility

Advanced

IT8786E Super IO Configuration

Super IO Chip

IT8786E

Serial Port 1 Configuration

BIOS CMOS

<Advanced>

<Hardware Monitor>

Aptio Setup Utility					
Advanced					
Pc Health Status					Item Specific Help
CPU Temp				: -51	
System Temp				: +37	
SYS_FAN Speed				: 2000 RPM	
VCORE				: +1.716 V	
+12V				: +12.60 V	
+ 5V				: +4.980 V	
VDIMM				: +1.210 V	
VSB3				: +3.264 V	
F1	Help	Select Item	-/+	Change Values	F9 Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10 Save and Exit

bios

CPU

CPU

CPU

0

CPU

-50

CPU

50

BIOS

<Security>

Aptio Setup Utility						
Main	CSTIPC	Advanced	Chipset	Boot	Security	Save & Exit
Password Description					Item Specific Help	
<div style="border: 1px solid black; width: 200px; height: 40px; margin: 0 auto;"></div> <p>Administrator Password</p> <p>User Password</p>						
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

BIOS <Save & Exit>

Aptio Setup Utility						
Main	CSTIPC	Advanced	Chipset	Boot	Security	Save & Exit
Save Changes and Exit						Item Specific Help
Discard Changes and Exit						
Save Changes and Reset						
Discard Changes and Reset						
Save change						
Discard change						
Restore Defaults						
Save as User Defaults						
Restore User Defaults						
Boot Override						
KingstoneDataTraveler 2.0						
UEFI: KingstoneDataTraveler 2.0						
UEFI: Built-in EFI shell						
Launch EFI Shell from filesystem device						
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

Save changes and Exit BIOS  
 Discard changes and Exit BIOS  
 Save changes and Reset  
 Save changes BIOS  
 Discard changes  
 Restore Defaults  
 Save as User Defaults  
 Restore User Defaults

1. F2 bios
2. F12
3. bios F9