







1		1
2		2
2	2.1	2
2	2.2	
3		4
3	8.1	4
3	8.2	5
4		6
4	1.1	6
4	.2	7
5 B	IOS	9
5	5.1	9
5	5.2 CSTIP	C10
5	5.3	







2.1

Intel Sky Lake/Kaby Lake

Win7/Win10 Linux

234mm 163.6mm

Intel Core i3/i5/i7

70.6mm

Intel

ΙΟ











mm



4.1



2

## 4.2

COM1~3				
JP/CN	pin#	Signal	pin#	Signal

#### COM4~6



### USB

USB Type-A

#### HDMI

HDMI

MIC-IN & LINE-OUT

3.5mm



JP/CN	pin#	Signal
40V IN	1	+12V
12V-IN	2	GND

0		0
Ð		-0
H	<u>pp</u>	$\square$
<u>-</u> u z	1 7	13335

# **5 BIOS**

F2

F10

<Save & Exit>

BIOS

## 5.1

	BIOS							
Aptio	o Setup Utility							
Mair	CSTIPC	Advanced	Chipset	Вос	t Security	Sa	ave & E	Exit
							Item	Specific Help
Syste	em Language:		[English]					
Syste	em Time:		[10:50:34	]				
Syste	em Date:		[01/01/20	12]				
F1	Help	Select Item		-/+	Change Value	S	F9	Setup Defaults
Esc	Exit	Select Men	u	Enter	Select Sub-M	enu	F10	Save and Exit

System Time System Date



## **5.2 CSTIPC**

BIOS	<cstipc></cstipc>	<actriangle <actri<="" <actriangle="" th=""><th>Power Loss Setting&gt;</th><th></th><th></th></actriangle>	Power Loss Setting>		
Power ON		Pow	er Off		
Aptio Setup Utility					
CSTIPC					
Restore AC Power L	.oss [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></cstipc>	<watchdo< th=""><th>og Setting&gt;</th><th></th><th><watchdog< th=""></watchdog<></th></watchdo<>	og Setting>		<watchdog< th=""></watchdog<>
Setting>					
Aptio Setup Utility					
CSTIPC					
WatchDog Setting	[Di	sabled]		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

Apti	o Setup L	Jtility				
	CST	IPC				
Wak	e 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					
CS	TIPC					
Wake syster	n with Fixed Time	[Enabled]			Item	Specific Help
Wake up ho	ur	0				
Wake up mi	nute	0				
Wake up see	cond	0				
F1 Help	Select Item	-/	/+	Change Values	F9	Setup Defaults
Esc Exit	Select Menu	E	nter :	Select Sub-Menu	F10	Save and Exit

: ok



BIOS		<cstipc></cstipc>	<lan px<="" th=""><th>E Setting&gt;</th><th><netw< th=""><th>ork&gt;</th><th></th></netw<></th></lan>	E Setting>	<netw< th=""><th>ork&gt;</th><th></th></netw<>	ork>	
LAN1	PXE						
Aptio Setup	Utility						
CS	STIPC						
Network		[Do not	t launch]			Item	Specific Help
F1 Help	Selec	t Item	-/+	Change Value	es	F9	Setup Defaults
Esc Exit	Selec	t Menu	Enter	Select Sub-M	enu	F10	Save and Exit

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

Aptio Set	tup Utility						
	CSTIPC						
SATA Mo	de Selectior	ו [A	HCI]			Item	Specific Help
F1 He	lp	Select Item		-/+	Change Values	F9	Setup Defaults
Esc Exi	t	Select Menu		Enter	Select Sub-Menu	F10	Save and Exit



	bios	bios				
	BIOS	<cstipc></cstipc>	<special s<="" td=""><td>Setting&gt; <bios l<="" td=""><td>.ock&gt;</td><td></td></bios></td></special>	Setting> <bios l<="" td=""><td>.ock&gt;</td><td></td></bios>	.ock>	
_	Disable					
Aptic	Setup Utility					
	CSTIPC					
BIOS	Lock	[Enable	e]		Item	Specific Help
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit



I	BIOS	<b< th=""><th>oot&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></b<>	oot>						
Aptio	Setup Utility								
Main	CSTIPC	Advanced	Chipset	Воо	ot	Security	Sa	ive & E	Exit
Boot C	Configuration							Item	Specific Help
Setup	Prompt Time	out	1						
Bootu	p NumLock St	ate	[On]						
Quiet	Boot		[Disal	ole]					
Boot C	Option Prioriti	es							
Boot C	Option #1		[Kins	tongD	DataT	.]			
Boot C	Option #2		(UEF	l Kir	ngsto	.]			
Boot C	Option #3		(UEF	I: Buil	t]				
Hard	Drive BBS Pri	orities							
CSM	16 Parameters	5							
F1	Help	Select Item	-/	/+	Chan	ge Values		F9	Setup Defaults
Esc	Exit	Select Men	u E	nter	Selec	t Sub-Men	J	F10	Save and Exit

<Hard Driver BBS Priorities> <Boot Option #1> Boot

Aptio Setup Utility						
		Bo	ot			
Boot Option #1		[Kinstong	DataT]	Item	Specific Help	
Boot Option #2		(UEFI Ki	ngsto]			
F1 Help	Select Item	-/+	Change Values	F9	Setup Defaults	
Esc Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit	



BIOS	<chipset></chipset>	<systems< th=""><th>Agent</th><th>Confi</th><th>guratio</th><th>on&gt;</th><th><graphics< th=""></graphics<></th></systems<>	Agent	Confi	guratio	on>	<graphics< th=""></graphics<>
Configuration>	<dvmt gf="" total=""></dvmt>	«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 Iten	n -/+	Change	Values		F9	Setup	Defaults
Esc Exit Select Mer	nu Enter	Select S	Sub-Me	nu	F10	Save a	nd Exit

MAX"



#### BIOS CMOS <Advanced> <IT8786E Super IO Configuration>

Aptio Setup Utility

Advanced

IT8786E Super IO Configuration

Super IO Chip Serial Port 1 Configuration

IT8786E



BIOS	CMOS	<advanced></advanced>	<hardware monitor=""></hardware>

Apti	o Setup Utility					
		Advanced				
Pc H	ealth Status				Item	Specific Help
CPU	J Temp		: -51			
Sys	tem Temp		: +37			
SYS	_FAN Speed		: 2000 F	RPM		
VC	DRE		: +1.71	16 V		
+12	2V	: +12.60 V				
+ 5	V		) V			
VD	MM		: +1.2	10 V		
VSB3	3		: +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



#### BIOS <Security>

Apti	o Setup Utility							
Mair	n CSTIPC	Advanced	Chipset	Вос	ot Security	Sa	ive & E	xit
Pass	word Descriptio	on					Item	Specific Help
Adm Use	iinistrator Passv er Password	vord						
F1	Help	Select Item		-/+	Change Values		F9	Setup Defaults
Esc	Exit	Select Menu	I	Enter	Select Sub-Men	u	F10	Save and Exit



BI	OS	<s< th=""><th>ave &amp; Exit&gt;</th><th>•</th><th></th><th></th><th></th><th></th></s<>	ave & Exit>	•				
Aptio Se	etup Utility							
Main	CSTIPC	Advanced	Chipset	Boo	ot Secur	rity Sa	ave & E	Exit
Save Ch	anges and E	xit					Item	Specific Help
Discard	Changes and	d Exit						
Save Ch	anges and R	eset						
Discard	Changes and	d Reset						
Save c	hange							
Discar	d change							
Restor	e Defaults							
Save a	s User Defau	ılts						
Restor	e User Defau	ults						
Boot C	Override							
Kingst	oneDataTrav	eler 2.0						
UEFI: I	KingstoneDat	taTraveler 2.0	)					
UEFI: E	Built-in EFI sł	nell						
Launcl	n EFI Shell fro	om filesystem	device					
F1 H	elp	Select Item		-/+	Change Va	lues	F9	Setup Defaults
Esc Ex	dit	Select Men	u	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