



	i3-6100U	i5-6200U	i7-6500U
	2.3GHz	2.3~2.8GHz	2.5~3.1GHz
	2	2	2
	6	6	6
	1	1	1
	1	1	1
	1	1	1
	8	8	8
	/	/	/
	/	/	/

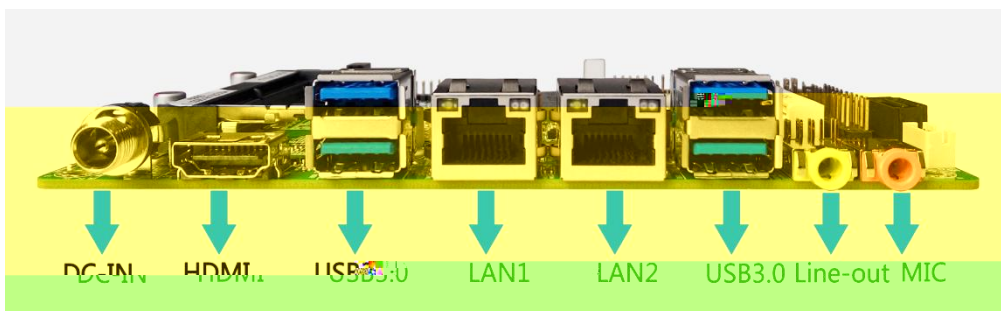
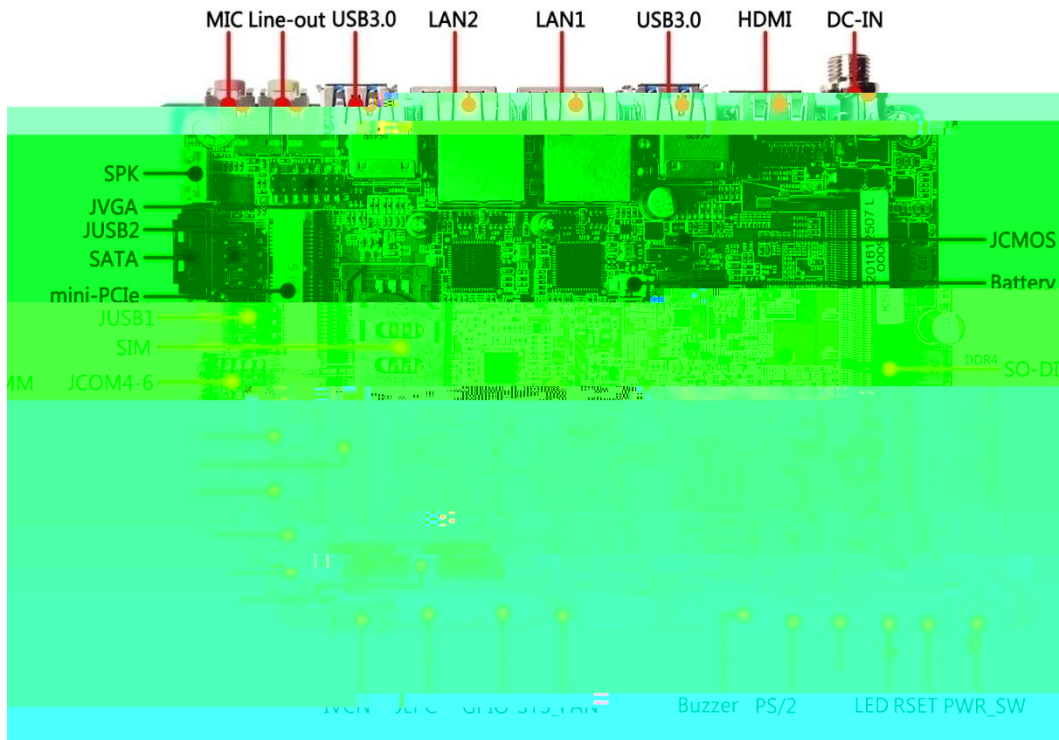
1			4
2			5
3			6
K-U67TK			2
4			7
4.1			7
4.2	IO		7
4.3			7
5			9
5.1			9
5.2			10
5.3			12
6 BIOS			15
6.1			15
6.2 CSTIPC			16
6.3			21

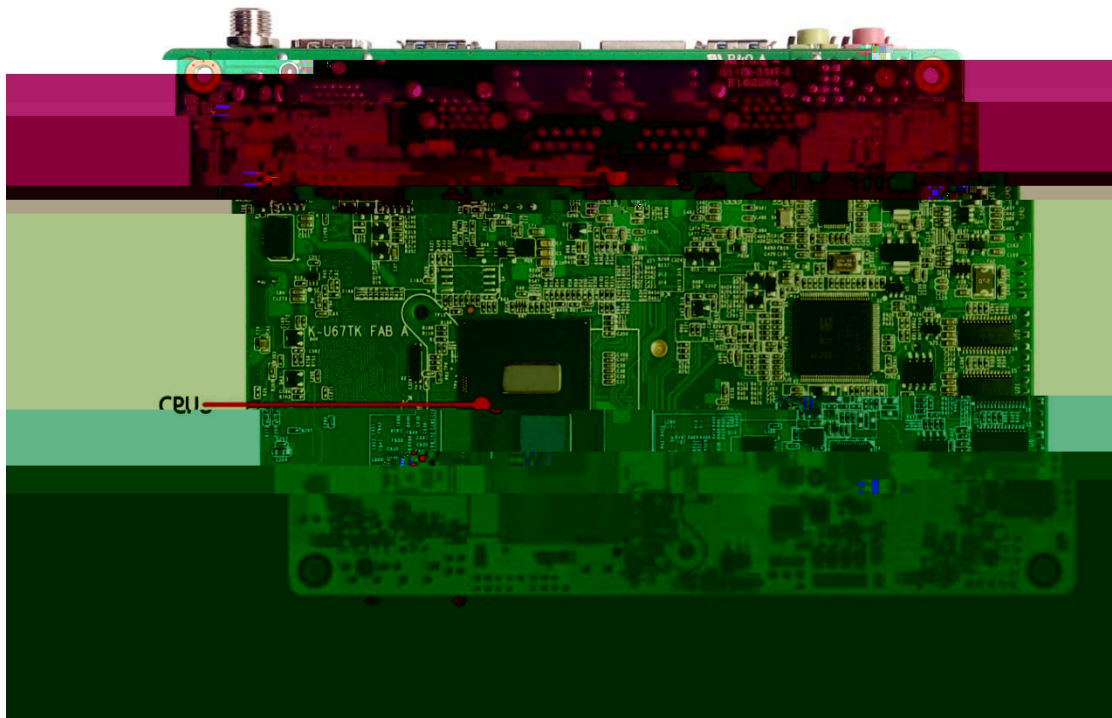
- 1.
2. -20 <= <=70 .95%RH
- 3
- 4.
5. 9~19V
- 6.

K-U67TK	Intel Skylake ULT	Intel Core i3-6100U/i5-6200U
	i3/i5/i7	146*102mm 3.5
	1 DDR4 SO-DIMM	16GB
VGA.HDMI.	24 LVDS 4K	
	Line-out MIC 2W	1 SATA3.0
1 mSATA	Intel	1 Mini-PCIE 1
SIM	WIFI/3G/4G	8 USB 4 USB3.0 6
COM	TTL/RS232/RS485	5V/12V LPC
1 PS2	1 8 GPIO	9V~19V
		LED 25W

Intel Skylake ULT
HDMI+VGA+LVDS 4K
IO 2*LAN 6*COM 8*USB 8*GPIO
3.5

	Intel® Core i3-6100U/i5-6200U	
	DDR4-2133MT/s	16GB
Bios	SPI AMI EFI bios	
	1*VGA 1*HDMI 1.4 1* 24bit LVDS	
	2*RJ45 Intel I211AT	
	1*line-out 1*MIC 1*SPK 2W/4	
SATA	1* SATA3.0 1*mSATA	
COM	6* RS232	
	4*USB3.0 4*USB2.0 1*PS/2 8*GPIO 1*LPC 1* Mini-PCIE WIFI/4G	
	DC-Jack/2 pin	9~19V
	146*102mm 6layer	
	WIN7/WIN8/WIN10 Unix/Linux	
	-20~+70 5~95%RH	

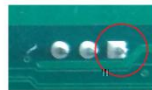
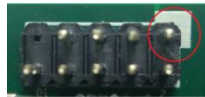


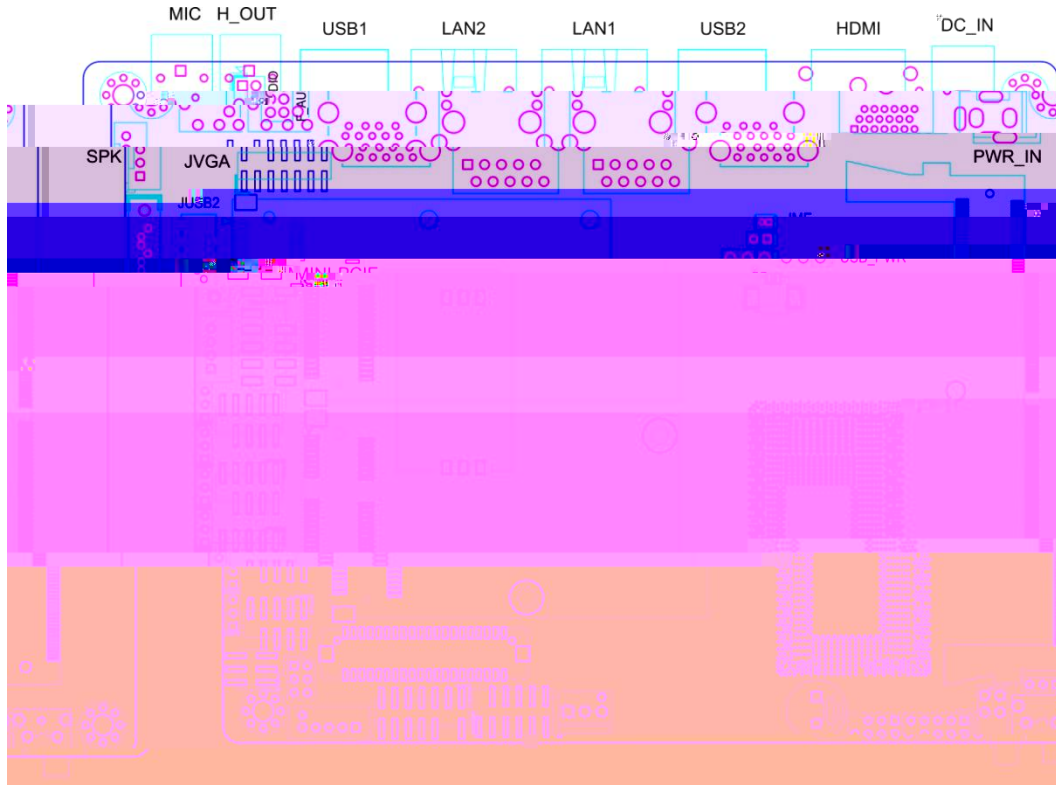


1PIN

1

2





MIC	MIC			
H_OUT	Line-out			
F_AUDIO			H-OUT	
SPK	Wafer2.0			
USB1	USB3.0	Port		
LAN2	RJ45	2		
LAN1	RJ45	1		
USB2	USB3.0	Port		
JUSB1	USB2.0			
JUSB2	USB2.0			
USB_PWR	USB3.0 Port			
HDMI	HDMI			
JVGA	VGA			
DC_IN	DC2.5			
PWR_IN	2PIN		DC-IN	
JME	ME			
JCMOS	CMOS			
SYS_FAN				
PWR_SW				
RSET				
LED				
LVDS	24	LVDS	Co-lay eDP	
IVCN	LVDS	Inverter		
JLV	LVDS	12V/5V/3.3V		
F_PANEL		/	.	
AT_ATX				
SATA_PWR	1*4pin Wafer2.0 SATA			
SATA1	SATA3.0			
JC21	2	9PIN	5V/12V	
JC31	3	9PIN	5V/12V	
JC42	4	232/485		
JC52	5	232/485		
JC64	6	TTL/232		
JC65				
J485	4.	5	485	
JCOM4-6	1	3		4.5.6
JCOM1	9 PIN	RS232		1
JCOM2	9 PIN	RS232		2
JCOM3	9 PIN	RS232		3

PS2	PS/2
GP	8
BAT	RTC 3.3V

JME 1-2P
JCMOS 1-2P CMOS

1 HDD LED+ 2 PWR LED+

6-8

	1	GND	2	5V	
	3				
	5	3.3V	6	LPC_LAD0	
	7	LPC_SERIRQ	8	LPC_LAD1	
	9	H_RCIN#	10	LPC_LAD2	
	11	BUF_PLT_RST	12	LPC_LAD3	
	13	LPC_CLK	14	LPC_LFRAME#	
	1	3.3V	2	JC2_IN	1-2 3.3V
	3	5V	4	JC2_IN	3-4 5V
	5	12V	6	JC2_IN	5-6 12V
	1	12V			
	2	GND			
	3	BKLT_ON			
	4	BKLT_PWM			
	5	5V			
	1	VCC	2	VCC	
	3	3.3v	4	GND	
	5		6		
	7	GND	8	GND	
	9	LVDS1_TX0-	10	LVDS1_TX2-	
	11	LVDS1_TX0+	12	LVDS1_TX2+	
	13	LVDS1_TX1-	14	LVDS1_TX3-	
	15	LVDS1_TX1+	16	LVDS1_TX3+	
	17	LVDS1_CLK-	18	GND	
	19	LVDS1_CLK+	20	LVDS2_TX2-	1. LVDS/EDP LVDS
	21	DETECT	22	LVDS2_TX2+	2. P-21:DETECT
	23	LVDS2_TX0-	24	LVDS2_TX3-	
	25	LVDS2_TX0+	26	LVDS2_TX3+	
	27	LVDS2_TX1-	28	LVDS2_CLK-	
	29	LVDS2_TX1+	30	LVDS2_CLK+	
	31	GND	32	GND	
	33	EDP0+	34	EDP1+	
	35	EDP0-	36	EDP1-	
	37	GND	38	AUX-	
	39	HPD	40	AUX+	

BIOS

Aptio Setup Utility						
Main	CSTIPC	Advanced	Chipset	Boot	Security	Save & Exit
System Language:						Item Specific Help
System Time:						
System Date:						
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

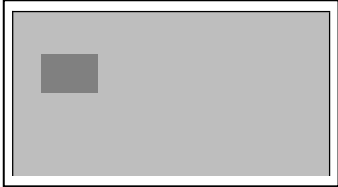
1.LVDS

BIOS <CSTIPC> <LCD Setting>


Aptio Setup Utility					
CSTIPC					
Active LFP	[Enable LVDS]	Item Specific Help			
Primary IGFX Boot Display	[VBIOS Default]				
Secondary IGFX Boot Display	[Disable]				
IGD Flat Panel	[1024*768]				
LVDS Panel Parameter	[LVDS 18Bit-1CH]				
LVDS PWM	[100%]				
LVDS SSC	[+/-1%]				
F1 Help	Select Item				
Esc Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

Active LFP Enable LVDS LVDS
 LVDS Panel Parameter LVDS
 IGD Flat Panel LVDS
 LVDS PWM

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>
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


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			[UEFI Kingsto...]			
Boot Option #3			[UEFI: Built- ...]			
<div style="border: 1px solid black; width: 200px; height: 40px; margin: 0 auto;"></div>						
F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

BIOS Configuration> <Chipset> DVMT <Systems Agent Configuration> <Graphics Configuration>

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"

1GB

2GB

BIOS CMOS

<Advanced>

<IT8786E Super IO Configuration>


Aptio Setup Utility					
Advanced					
IT8786E Super IO Configuration					Item Specific Help
Super IO Chip	IT8786E				
Serial Port 1 Configuration					
Serial Port 2 Configuration					
Serial Port 3 Configuration					
Serial Port 4 Configuration					
Serial Port 5 Configuration					
Serial Port 6 Configuration					
F1 Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

< Serial Port 4 Configuration >

<Serial Port Mode>

RS485

RS485

Aptio Setup Utility					
Advanced					
Serial Port 4 Configuration					Item Specific Help
Serial Port	[Enable]				
Serial Port Mode	[RS232]				
Device Settings	IO=2E8h; IRQ=6;				
Change Settings	[IO=2E8h; IRQ=6;]				
					
F1 Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

5

4

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: 10px 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