	A68MV-J3355	A68MV-J3455	A68MV-N4200
	Intel Celeron J3355	Intel Celeron J3455	Intel Pentium N4200
	2.0~2.5GHz	1.5~2.3GHz	1.1~2.5GHz
	Intel HD Graphics 500	Intel HD Graphics 500	Intel HD Graphics 505
	10W	10W	6W
	3	3	3
	1	1	1
	1	1	1
	1	1	1
	6	6	6
	-	-	-
	16	16	16
	-	-	-

J3355 : 2.0~2.5GHz Intel HD Graphics 500;

J3455 : 1.5~2.3GHz 00;

LAN1 LAN2 POE 802.3af (15.4W)

BOM RS232/RS485

DC-IN HDMI   LAN1   LAN2   USB3.0 LAN3   USB3.0
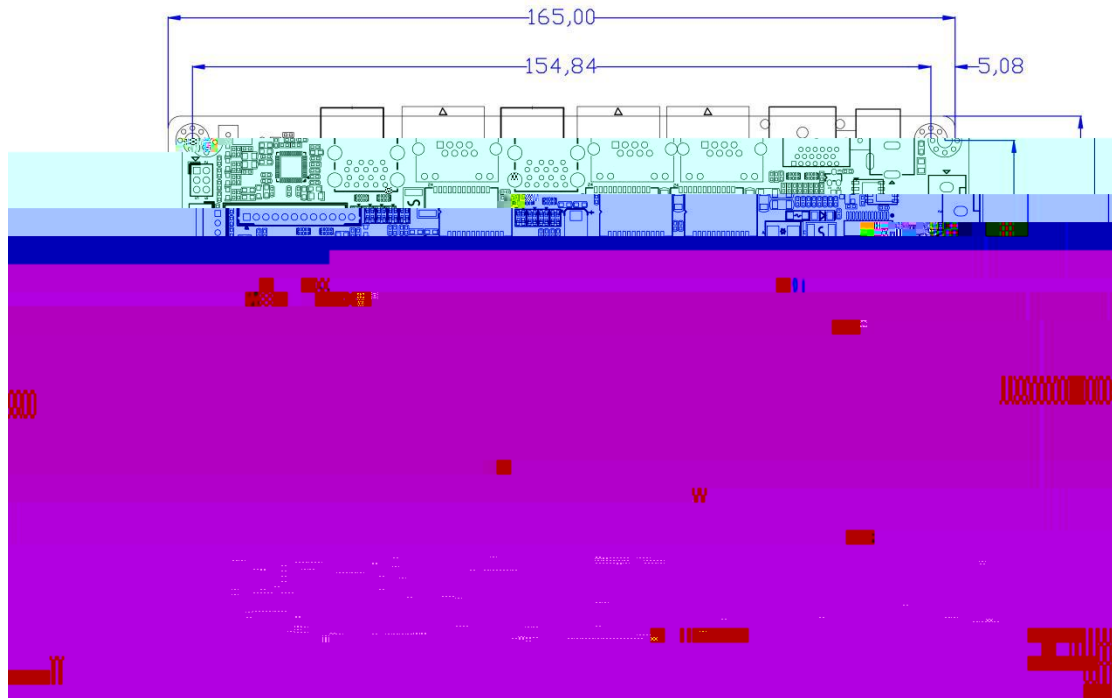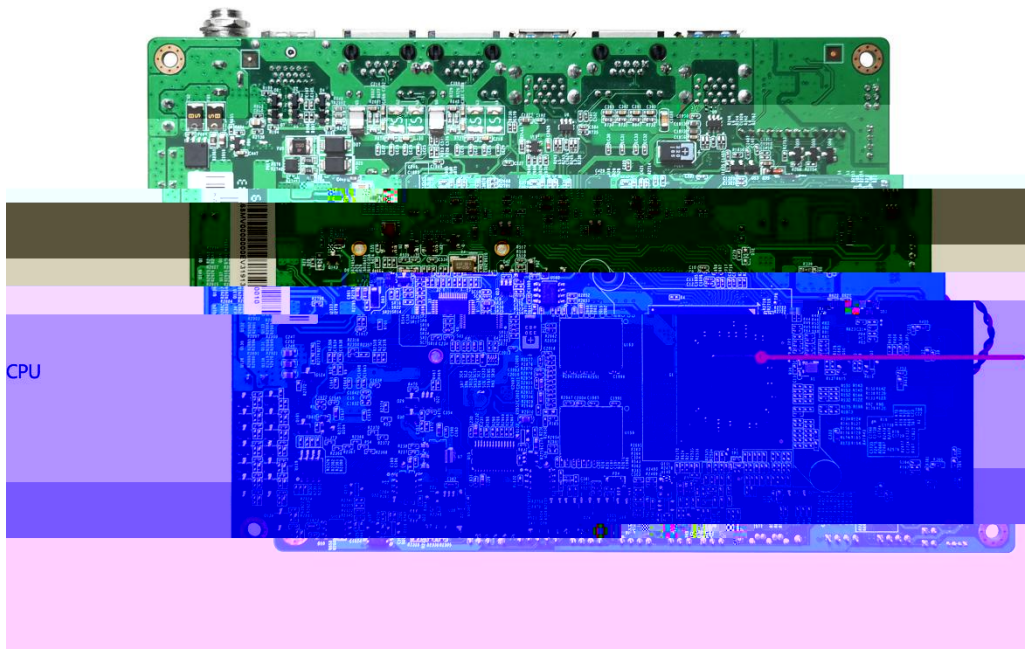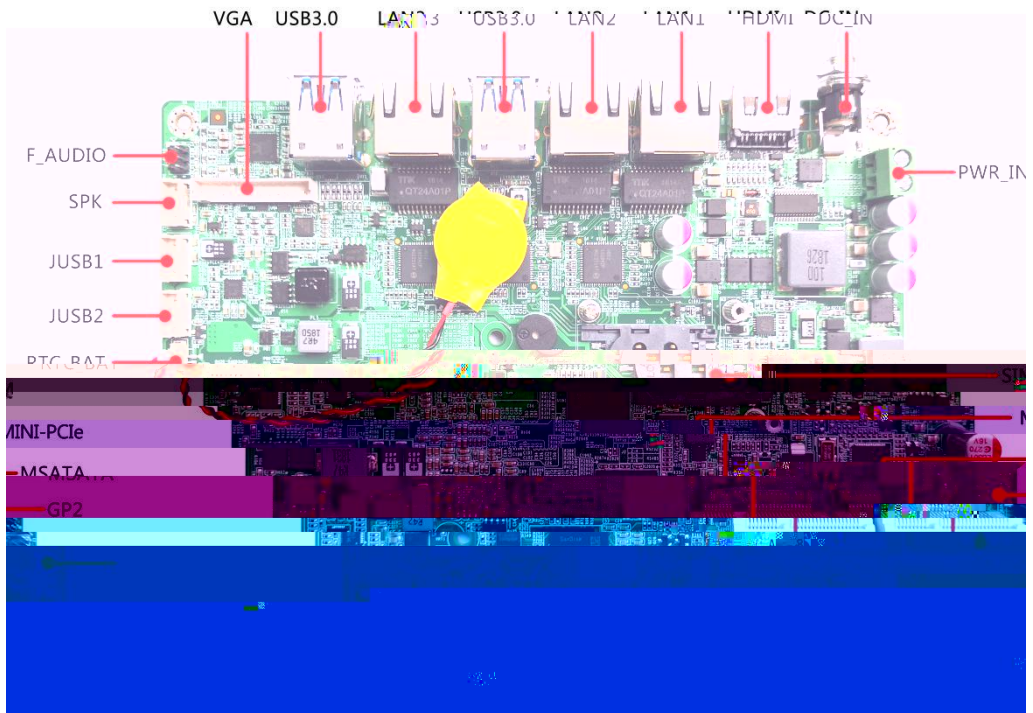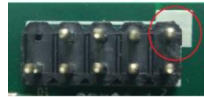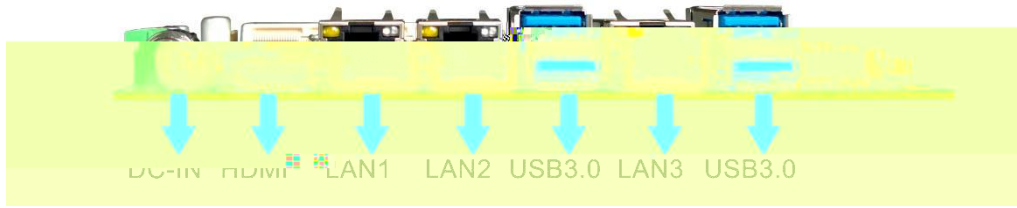
MSATA

J2   **JLV**

F_AUDIO	MIC-IN & LINE-OUT
SPK	Wafer2.0
LAN1	RJ45　　　　1　　POE
LAN2	RJ45　　　　2　　POE
LAN3	RJ45　　　　3
USB1	USB3.0 Type-A
USB2	USB3.0 Type-A
JUSB1	PH2.0-4P USB2.0
JUSB2	PH2.0-4P USB2.0
HDMI1	HDMI
JVGA1	PH2.0-12P VGA
LVDS1	DF13-40P　　　24　LVDS　　　Co-lay eDP
IVCN	PH2.0-5P LVDS　　　　Inverter
JLV	LVDS　　　5V/3.3V
SATA_PWR	PH2.0-4P SATA
SATA1	SATA3.0

	RS232	**RS485**
J1	1-2P	2-3P
J2	1-3P	3-5P
	2-4P	4-6P

1-2	
2-3	

	1	HDD LED+	2	PWR LED+	
	3	HDD LED-	4	PWR LED-	6-8 /
	5	GND	6	PWRSW	5-7
	7	Reset	8	GND	
	9	NC	10		
	1	+5V			
	2	DT-			
	3	DT+			
	4	GND			
	1	GND	2	FRONT-JD	
	3	MIC_L	4	LOUT_L	
	5	MIC_R	6	LOUT_R	
	1	L-			
	2	L+			2W/4
	3	R+			
	4	R-			
	2	PWRBTSW			
	3	NC			
	1	+3.3V			1-2 +3.3V
	2	LCD_VCC			2-3 +5V
	3	+5V			

	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
	21	DETECT	22	LVDS2_TX2+	LVDS
	23	LVDS2_TX0-	24	LVDS2_TX3-	2. P-21:DETECT
	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+	

	1	+3.3V			
	2	GND			
	3	SCL			
	4	SDA			

1

```
+------------------------------------------------------------------------+
|                          Aptio Setup Utility                           |
+------------------------------------------------------------------------+
| Main    CSTIPC    Advanced    Chipset    Boot    Security   Save & Exit |
+----------------------------------------------------+-------------------+
|                                                    | Item Specific Help|
|                                                    |                   |
|  System Language:            [English]             |                   |
|                                                    |                   |
|                                                    |                   |
|  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 |
+------------------------------------------------------------------------+
```

C

Aptio Setup Utility		
CSTIPC		
Primary IGFX Boot Display [HDMI]		Item Specific Help
Secondary IGFX Boot Display [Disable]		
LFP Control [Enabled]		
LCD Panel Type [1280*800_S8]		
F1 Help Select Item -/+ Change Values	F9 Setup Defaults	
Esc Exit Select Menu Enter Select Sub-Menu	F10 Save and Exit	

```
                          Aptio Setup Utility

        CSTIPC

    WatchDog Setting              [Disabled]          Item Specific Help


                                    Disabled
                                    10 S
                                    20 S
                                    30 S



    F1   Help       Select Item    -/+   Change Values   F9   Setup Defaults
    Esc  Exit        Select Menu          Enter  Select Sub-Menu  F10  Save and Exit
```

```
                          Aptio Setup Utility

        CSTIPC

    Wake system with Fixed Time    [Disabled]          Item Specific Help


                                    Disabled
                                    Enabled




    F1   Help       Select Item    -/+   Change Values   F9   Setup Defaults
    Esc  Exit        Select Menu          Enter  Select Sub-Menu  F10  Save and Exit
```

```
                    Aptio Setup Utility
        CSTIPC

  Wake system with Fixed Time      [Enabled]              Item Specific Help

  Wake up hour0

  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
```

```
                    Aptio Setup Utility
        CSTIPC

  Network                    [Do not launch]              Item Specific Help


                        ┌────────────────────────┐
                        │ Do not launch          │
                        │ LAN1                   │
                        └────────────────────────┘




  F1    Help         Select Item      -/+    Change Values   F9    Setup Defaults

  Esc   Exit         Select Menu      Enter  Select Sub-Menu F10   Save and Exit
```

Aptio Setup Utility

CSTIPC

BIOS Lock	[Enable]	Item Specific Help
	Disable Enable	

F1	Help	Select Item	-/+	Change Values	F9	Setup Defaults
Esc	Exit	Select Menu	Enter	Select Sub-Menu	F10	Save and Exit

```
┌─────────────────────────────────────────────────────────────────────────┐
│                         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  │
└─────────────────────────────────────────────────────────────────────────┘
```

```
┌─────────────────────────────────────────────────────────────────────────┐
│                         Aptio Setup Utility                               │
├─────────────────────────────────────────────────────────────────────────┤
│                              Boot                                         │
├───────────────────────────────────────────────────────────┬─────────────┤
│  Boot Option #1                       [KinstongDataT..]     │ Item Specific Help │
│                                                             │             │
│  Boot Option #2                       [UEFI  Kingsto..]     │             │
│                                                             │             │
│                         ┌──────────────────────────────┐    │             │
│                         │ KinstongDataTraveler 2.0     │    │             │
│                         │ General UDisk 5.00           │    │             │
│                         │ Disable                      │    │             │
│                         └──────────────────────────────┘    │             │
│                                                             │             │
├──────────────────────────────────────────────────────────┴─────────────┤
│ F1   Help      Select Item     -/+   Change Values   F9   Setup Defaults │
│ Esc  Exit      Select Menu     Enter Select Sub-Menu F10  Save and Exit  │
└─────────────────────────────────────────────────────────────────────────┘
```

```
                          Aptio Setup Utility
        Advanced

   IT8786E Super IO Configuration                      Item Specific Help


    Super IO Chip                    IT8772
  Serial Port 1 Configuration



  F1   Help        Select Item    -/+    Change Values  F9   Setup Defaults
  Esc  Exit        Select Menu    Enter  Select Sub-Menu F10  Save and Exit
```

Serial Port 1Configuration

```
                          Aptio Setup Utility
```

```
                          Aptio Setup Utility
            Advanced

   Pc Health Status                              Item Specific Help


   CPU Temp                      : -58 C
   System Temp                   : +34 C
   SYS_FAN Speed                 : N/A
   VGFX      : +0.840 V
  V1.05S     : +1.056 V
   +12S                          : +11.736 V
   + 5S : +5.040 V
   VSM                           : +1.380 V
  Smart Fan[Disable]



  F1   Help        Select Item    -/+    Change Values   F9   Setup Defaults
  Esc  Exit        Select Menu    Enter  Select Sub-Menu F10  Save and Exit
```

Aptio Setup Utility

Aptio Setup Utility							
Main	CSTIPC	Advanced	Chipset	Boot	Security	Save & Exit	

	Item Specific Help
Save Changes and Exit	
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	