MPX-3132

User's Manual

Edition 1.1
2014/11/13

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Any questions please visit our website at http://www.commell.com.tw

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1. <Product Specification & Packing List>

General Specification	
Form Factor	MiniPCIe Card
Controller	Silicon Image Sil3132
Serial ATA Interface	2 x serial ATAII interface with 300MB/s transfer rate (Support RAID function)
Dimension	30mm x 50.95mm

The specifications may be different as the actual production.

For further product information please visit the website at http://www.commell.com.tw.

Packing List:

Hardware:

MPX-3132 SATAII PCIe mini card x 1

Cable Kit:

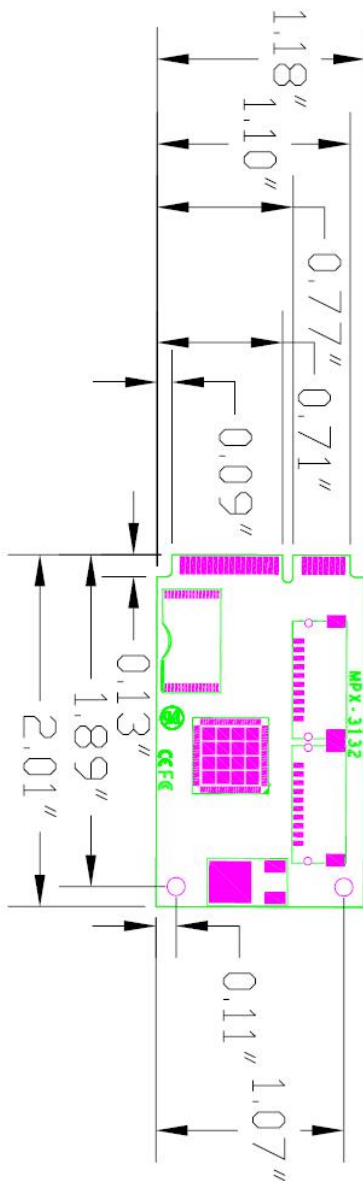

DF14 10-Pin for SATA Cable x 2
(OALSATA7-H10)/ (1040123)

CD Content:

Driver & User's Manual

2. <Mechanical Drawing>

3. <Component Placement & Pin assignment>
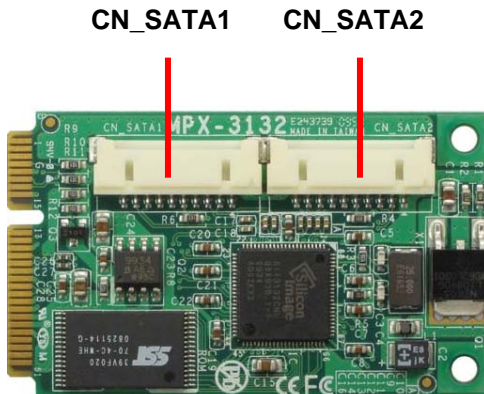
CN_SATA1   **CN_SATA2**

Connector: CN_SATA1/2
Type: DF14 10-pin pitch=1.25mm

1   **10**
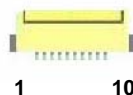
Pin	Description	Pin	Description
1	GND	2	TXP0/1
3	TXN0/1	4	GND
5	SATA_LED0/1	6	SATA_LED0#/1#
7	GND	8	RXN0/1
9	RXP0/1	10	GND

4. <BIOS Configuration>

Attention! This setting is only relatively new motherboard needs!
Models are as follows
ATX: AS-C74, AS-C76
Micro ATX: MS-C73, MS-C75
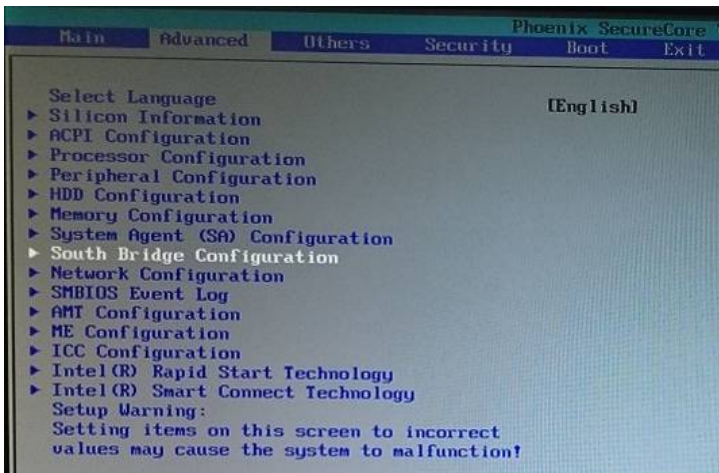Mini ITX: LV-67F, LV-67G, LV-67H, LV-67I, LV-67J, LV-67K, LV-67L, LV-67M, LV-67N, LV-67O
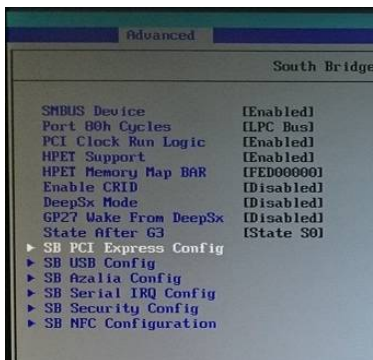3.5" : LS-378, LE-379, LE-37A, LS-37B, LE-37C, LE-37D
Pico ITX: LP-172, LP-173
Full-Size CPU Card: FS-A74, FS-A75, FS-A76, FS-A77
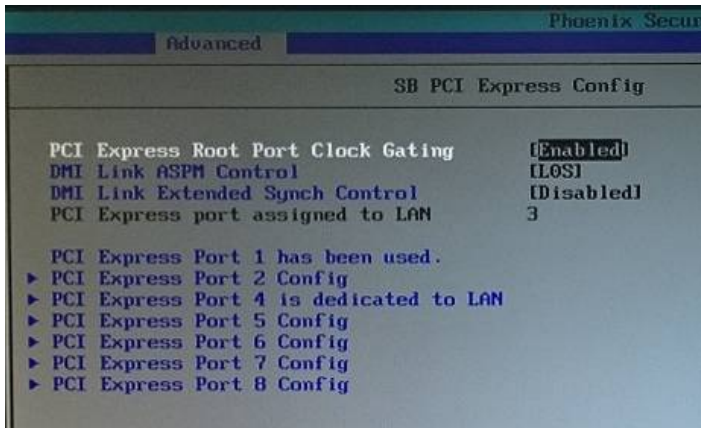Half-Size CPU Card: HS-773, HS-774, HS-B70, HE-B71

1. In paged menu "Advanced" and enter "South Bridge Configuration".

2. Entering "SB PCI Express Config".

3. Here it must be based on different boards to set the PCIe speed to "GEN1".
   So that it can detect the Mini Card.

|	
AS-C74: PCIe7	AS-C76: PCIe7
MS-C73: PCIe3	MS-C75: PCIe3
LV-67F: PCIe3	LV-67G: PCIe7
LV-67H: Card1: PCIe3, Card2: PCIe5	LV-67I: PCIe3
LV-67J: PCIe7	LV-67K: Card1: PCIe3, Card2: PCIe5
LV-67L: Card1: PCIe3, Card2: PCIe5	LV-67M: Card1: PCIe5, Card2: PCIe7
LV-67N: Card1: PCIe7, Card2: PCIe6	LV-67O: PCIe4
LS-378: Card1: PCIe3, Card2: PCIe5	LE-379: PCIe3
LE-37A: Card1: PCIe3, Card2: PCIe5	LS-37B: Card1: PCIe3, Card2: PCIe5
LE-37C: Card1: PCIe5, Card2: PCIe7	LE-37D: Card1: PCIe4, Card2: PCIe3
LP-172: PCIe3	LP-173: PCIe2
FS-A74: Card1: PCIe7, Card2: PCIe8	FS-A75: Card1: PCIe7, Card2: PCIe8
FS-A76: Card1: PCIe7, Card2: PCIe8	FS-A77: PCIe4
HS-773: Card1: PCIe5, Card2: PCIe7	HS-774: Card1: PCIe5, Card2: PCIe7
HS-B70: PCIe3	HE-B71: PCIe2

5. <Install the operating system >

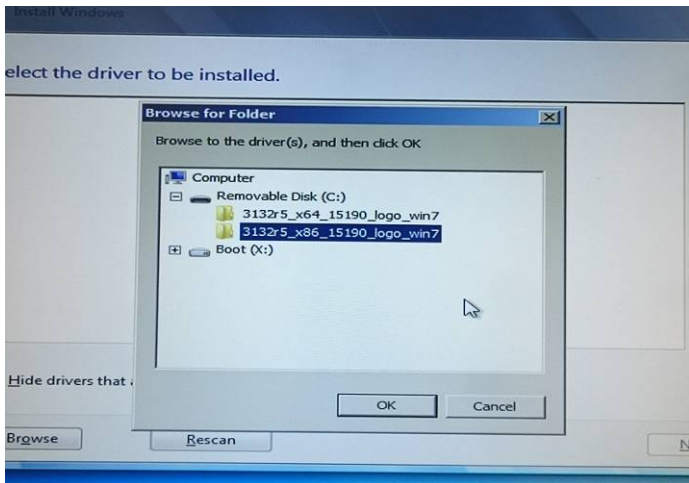1. When you enter the partition screen, you will find no detect hard drive.
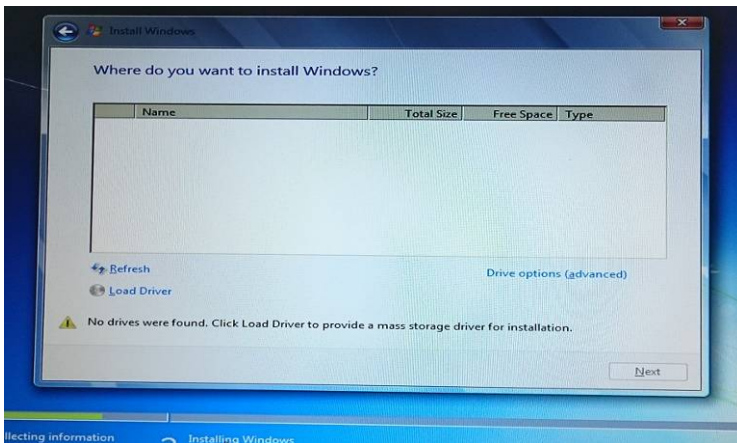
2. You need to click the "Load Driver" and plug in your flash drive (which have a MPX-3132's driver).
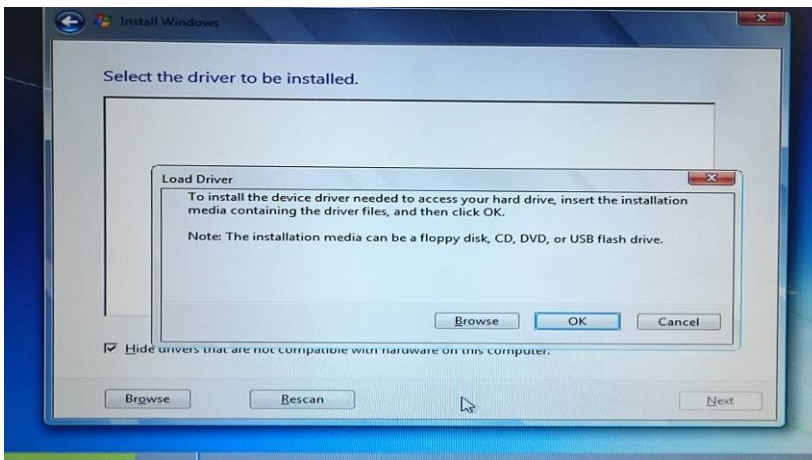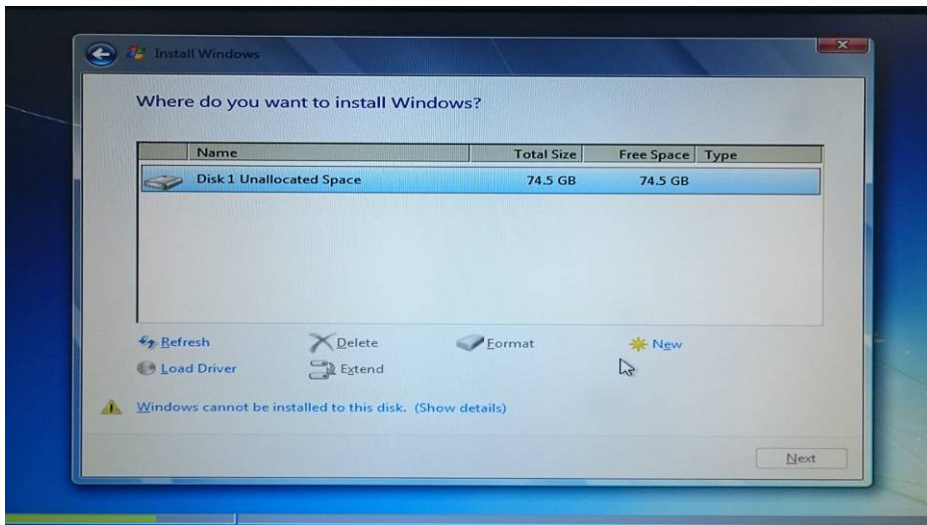

Note: If you want to install the Windows XP, you need a floppy disk to load the driver.

3. Click "Browse" and find your flash drive, choose your system type then click "OK".


4. Finally, the hard disk will show up.

6. <SATA RAID Configuration>

This MiniCard only supports the following configurations:

RAID 0 (Stripping): Two hard drives operating as one drive for optimized data R/W performance. It needs two unused drives to build this operation.

RAID 1 (Mirroring): Copies the data from first drive to second drive for data security, and if one drive fails, the system would access the applications to the workable drive. It needs two unused drives or one used and one unused drive to build this operation. The second drive must be the same or lager size than first one.

For more information of Silicon Image Technology, please visit silicon Image website.

At boot time, press <Ctrl + S> or <F4> to enter the RAID configuration menu
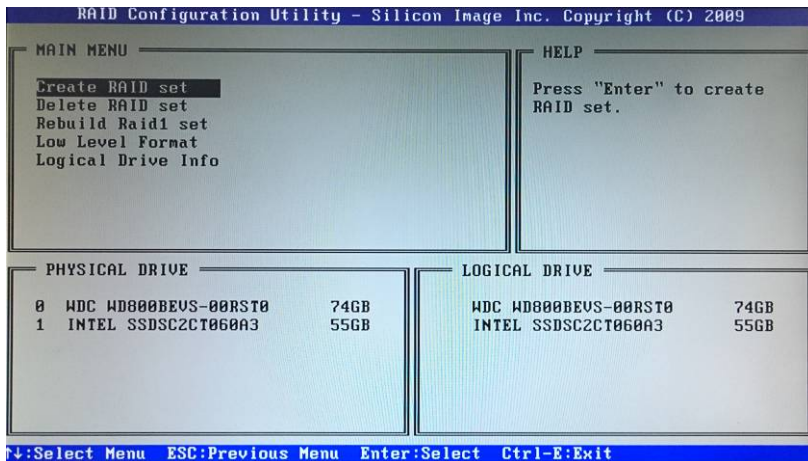
Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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