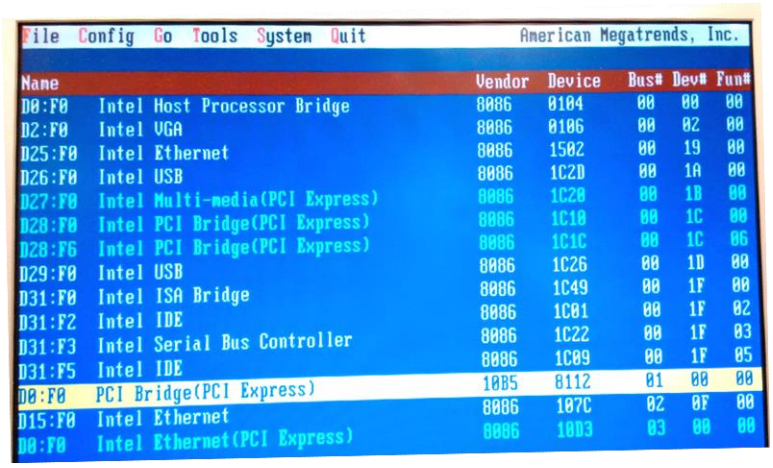
Data Create	2015/04/07	Release Note	□ Internal ■ External
Category	FAQ	Product Group	IAG
Function	Registry Map	Related OS	NA
Related Product	UNO-3085G		

[Abstract]

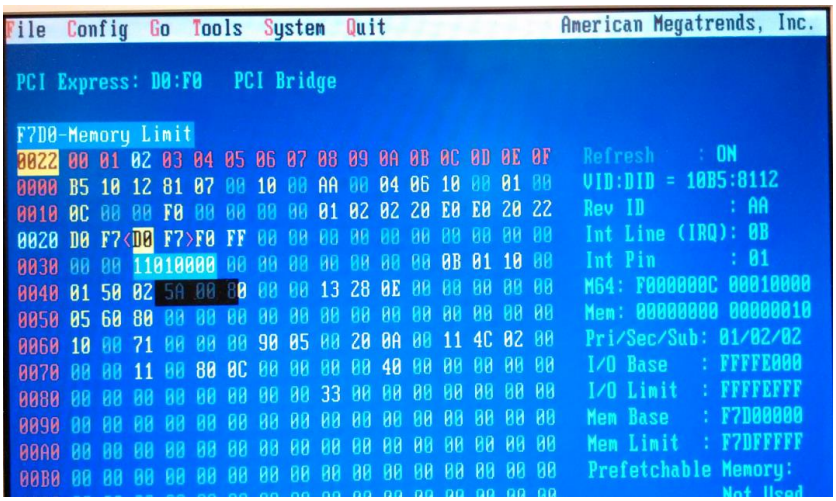
How to use RU tool to check Registry Map of PCIe-to-PCI Bridge IC

[Solution]

1. Download RU.exe tool.
2. Go into RU.exe in DOS environment.
3. Press “F6”, then you can see the device list. Each manufacturer has a unique Vendor ID. Take PCIe-to-PCI bridge IC as an example. Vendor ID 10B5 represents PLX company.



4. Go in to PCI Bridge device. You can see the registry map.



5. In the Databook of PCI bridge IC. There will be a table to explain the meaning of Registry Map.

Table 15-6. Forward Bridge Mode PCI-Compatible Configuration (Type 1) Register Map

PCI Configuration Register Offset	31 24	23 16	15 8	7 0
00h	PCI Device ID		PCI Vendor ID	
04h	PCI Status		PCI Command	
08h	PCI Class Code			PCI Device Revision ID
0Ch	PCI Built-In Self-Test *(Not Supported)*	PCI Header Type	PCI Bus Latency Timer	PCI Cache Line Size
10h	PCI Base Address 0			
14h	PCI Base Address 1			
18h	Secondary Latency Timer	Subordinate Bus Number	Secondary Bus Number	Primary Bus Number
1Ch	Secondary Status		I/O Limit	I/O Base
20h	Memory Limit		Memory Base	
24h	Prefetchable Memory Limit		Prefetchable Memory Base	
28h	Prefetchable Memory Base Upper 32 Bits			
2Ch	Prefetchable Memory Limit Upper 32 Bits			
30h	I/O Limit Upper 16 Bits		I/O Base Upper 16 Bits	
34h	***Reserved***			PCI Capability Pointer
38h	PCI Base Address for Expansion ROM ***(Not Supported)***			
3Ch	Bridge Control		PCI Interrupt Pin	PCI Interrupt Line