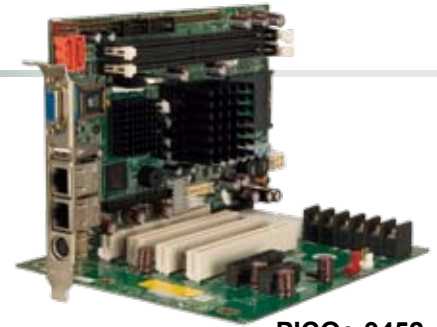


IEI Patent No CN.: 200986704Y
From SIPO (State Intellectual Property Office of The P.R.C)

PIC0e CPU Card

The Future of Half-sized CPU Cards



PIC0e-9452

1
Application Server Platform

2
Single Board Computer

3
IBX Series POS PC

4
AFOLLUX POS Panel PC

5
Video Capture Card

6
KAMIO RISC

7
IOVU Open HMI

8
VITO Universal Controller

9
DINO BLADE

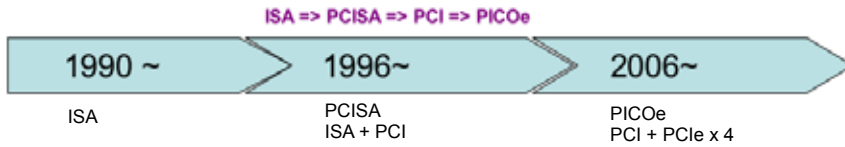
10
LCD Product Series

11
Embedded System

12
Industrial Computer Chassis

13
Power Supply

14
Peripherals



The Advantage of PIC0e

PIC0e = PCI + PCIe x4

- PCIe has excellent I/O bus bandwidth and performance
- Backward compatible with half-size CPU card
- Backplane design for half-size PCIe CPU cards is easy.

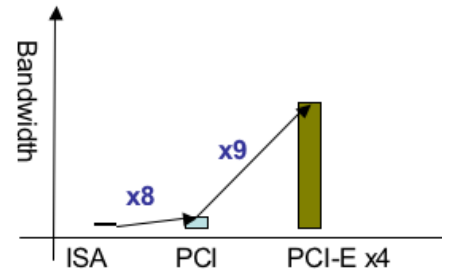
The Benefit of PIC0e

- Same Dimensions, backward compatible and half the size of PCI SBC
- Same price, higher performance as PCI only solution
- Same price, more configuration options

The Advantage of PIC0e

I. Increasing I/O Bus bandwidth with leading technology

Specifications	ISA	PCI 33	PCI-E x4
BUS support	(16MB/s)	(132MB/s)	(1250MB/s)



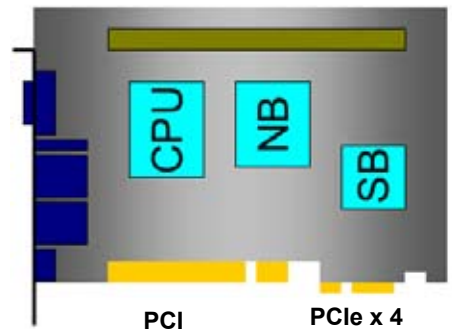
90% Bandwidth from ISA to PCIe speed

II. Backward Compatible to Half-Size PCI backplane and chassis

- Dimensions: 185 mm x 122 mm
= All half-sized CPU card
Share the same Chassis & I/O design
- PCI pin definition same to PICMG 1.0 PCI
= All half-sized PCI CPU Card
Share All Half-sized PCI Backplane

III. Quick Design Back Plane

- Four PCI slots and one PCIe x4 or four PCIe x1 lanes
More configuration options on the backplane with a PCI and PCIe slot
- PCIe switches and bridges such as PLX or TI solutions



IEI PIC0e Backplane Solution

Complete PIC0e backplane solutions fully supports all kinds of chassis and power modes. PIC0e is the easiest way to upgrade current system from slow ISA + PCI architecture to the latest high performance PCIe+PCI solution.



CPU card on right side first slot

PIC0e	CPU card on right side first slot			PSU Type	Note
	PCIe/PCI	PCI	PCIe x4		
HPE-3S1	2			ATX/AT	CPU on R1st
HPE-3S2	1	1		ATX/AT	CPU on R1st
HPE-4S1	3			ATX/AT	CPU on R2st
HPE-4S2	2	1		ATX/AT	CPU on R2st
HPE-5S1	4			ATX/AT	CPU on R2st
HPE-5S2	3	1		ATX/AT	CPU on R2st
HPE-5S3	2	0	2	ATX/AT	CPU on R2st
HPE-6S1	4	1		ATX/AT	CPU on R1st
HPE-6S2	3	0	2	ATX/AT	CPU on R1st
HPE-7S1	4	0	2	ATX/AT	CPU on R2st
HPE-8S0	4	0	2	ATX/AT	Reserved 1 Slot