

Product Information

[Advantech Adds Phoenix Operation to Dynamic Burn-in Testing Capabilities](#)

For Advantech Customers that need uncompromised assurance that their product can handle certain temperature conditions, Advantech would like to introduce our "Operation Phoenix" option for Dynamic Burn-in testing.



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Advantech now offers complete chassis solutions dedicated to PCI and NLX CPU cards. These new solutions ensure a perfect fit between the chassis and the system and provide Advantech customers with a total chassis solution for their application needs.....



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Advantech Adds Phoenix Operation to Dynamic Burn-in Testing Capabilities



For Advantech Customers that need uncompromised assurance that their product can handle certain temperature conditions, Advantech would like to introduce our "Operation Phoenix" option for Dynamic Burn-in testing. Operation Phoenix is Temperature Cycling Dynamic Burn-in testing or "TCDB" for short. That is, the Advantech products that are tested using TCDB are live tested (while running testing software) to a range of temperatures that vary over a period of time. Since active and passive components are affected by temperature changes, which can have an affect on

system reliability, testing for reliability under these conditions is critical for many Advantech customers.

Offering 2 New Dynamic Burn-in Options at Advantech

With the Addition of the Phoenix (TCDB) option, Advantech now offers 2 additional Dynamic Burn-in testing. Advantech feels these 2 new options, along with our standard Dynamic Burn-in testing applied to every EPC SBC, effectively cover most of our customers' needs. We want to make sure all our sales people as well as our customers are clear about these new additional testing options. Let us explain further.

Option 1: Temperature Cycling Dynamic Burn-in Testing (TCDB Silver Package)



New TCDB Oven Offers State of the Art Process Control

This option is the Phoenix Operation Silver Package. It applies to all Advantech EPC products. Some of the rigorous requirements for Silver TCDB testing are as follows. The first is that products tested in the Silver Package TCDB are **100% tested for conformance**. Every board is live tested, once again, running test software during the entire procedure. Second, these products are tested over a longer period of time (**12 Hours**) with **varying temperatures**. This temperature ranges between **-10°**

C ~ 60° C, with defined times at certain key temperatures. Changing temperature

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conditions affect individual component characteristics as well as overall system performance. This test confirms normal board operation under these grueling conditions, minimizing the chances of an underperforming board reaching our customers.



Bar Code Tracking Throughout Burn-in Testing

Option 2: Temperature Cycling Dynamic Burn-in Testing (TCDB Gold Package)

The



TCDB Rack Ready For Testing

TCDB Gold option expands the ranges of option 1 (Silver package) above by increasing the temperature **testing range from -20° C ~ 80° C**. This option is currently available for certain Advantech products, the PCA-6751, PCM-3345 and the PCM-3346. More EPC SBCs will offer this option in the near future. Like the Silver package, these products also are **100%** tested. Every SBC is live tested (running test software) with temperature varied continually throughout the testing period. Boards that pass this test are given a special "Label" that helps identify and ensure the product has passed this stringent testing procedure.

	Test Time	Temperature	Products	% Tested
Silver TCDB	12 Hours	-10 ~ 60° C	All SBCs	100 %
Gold TCDB	12 Hours	-20 ~ 80° C	Selected	100 %

Keeping You Informed

Contact <http://www.advantech.com/epc> for more information on Advantech's Phoenix Operation Dynamic Burn-in testing, or any other Advantech products or quality testing procedures. You can also contact your local Advantech representative to find out more.

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PCI and NLX Chassis Provide Total Solution

Advantech now offers complete chassis solutions dedicated to PCI and NLX CPU cards. These new solutions ensure a perfect fit between the chassis and the system and provide Advantech customers with a total chassis solution for their application needs. It also helps Advantech sales associates by eliminating the need to combine separate components to build a single chassis solution for their customers. Because everything is clearly integrated into one logical unit with its own part number, the chassis purchasing process for our customers is more clearly laid out.

Flexible Solutions

Advantech offers 3 flexible CPU card chassis options that provide smart, balanced solutions that match device options, available component space and power supplies. These options, with their relevant part numbers, are summarized in the table below. These products offer different combinations of NLX, ISA and PCI backplanes along with the relevant power supply and Chassis.

Providing Total Chassis Solutions

Chassis for PCI and NLX CPU Card		
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<p>IPC-644P4-80</p> <ul style="list-style-type: none"> ● PCA-6104P4 ● 1 PCI master + 3 PCI 	<p>IPC-6806SP5</p> <ul style="list-style-type: none"> ● PCA-6105P5 ● 1 PCI master + 4 PCI 	<p>IPC-6606P5</p> <ul style="list-style-type: none"> ● PCA-6105P5 ● 1 PCI master + 4 PCI
<p>IPC-644NP2-80</p> <ul style="list-style-type: none"> ● PCA-6104NP2 ● 1 NLX + 1 ISA + 2 PCI 	<p>IPC-6806SNP3</p> <ul style="list-style-type: none"> ● PCA-6104NP3 ● 1 NLX + 2 ISA + 3 PCI 	<p>IPC-6606NP3</p> <ul style="list-style-type: none"> ● PCA-6104NP3 ● 1 NLX + 2 ISA + 3 PCI

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IPC-644BP-80

- One 3.5" FDD and One 3.5" HDD Bay
- 4 slots
- 80 W, AC 110/220 V



IPC-6806SBP

- One 3.5" FDD and One 3.5" HDD Bay
- 6 slots
- 80 W, AC 110/220 V



IPC-6606BP

- One 3.5" FDD, One 3.5" HDD and 5.4" CD-ROM bay
- 6 slots
- 250 W ATX, AC 110/220 V



*PCI Products

*NLX Products

Availability

All these products will be available soon. Advantech will inform all our sales channels when exact dates are known. Contact Advantech anytime at <http://www.advantech.com/epc> to find out more about these PCI and NLX chassis solutions. You may also contact your local Advantech representative for more solutions like these.

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