

Title	Product Replacement of Catalyst Module with Catalyst XL
Affected Products	Catalyst Module Based on Intel® Atom™ in the Small Package and Products Based on the Catalyst Module
PCN #	PCN10007
Date	November 15, 2010

### Summary

Eurotech is replacing all Catalyst Module designs with the Catalyst XL, which is designed with the Intel® Atom™ XL package and is identical in terms of functionality, pinouts, and mounting. Designs using heat sinks or direct contact enclosures sensitive to component heights might require slightly thinner thermal pads or other minor modifications.

### Background

In order to improve manufacturability of our products, new orders for the Catalyst Module will be filled using the Catalyst XL. The Catalyst Module is based on the Intel Atom™ Z5xx processor and the Intel SCH US15W chipset, which are referred to as the small package of this processor and chipset family. Catalyst XL is based on the Intel Atom Z5xxP and Intel SCH US15WP processor and chipset, referred to the XL package version of this processor and chipset family. The Catalyst XL offers the same functionality as the Catalyst Module and has been shown by Intel to have improved manufacturability results.

### Impact

This product replacement is expected to only impact designs using heat sinks or other direct contact enclosures. Otherwise, the two products are identical in terms of specifications, functionality, pin outs, and mounting holes. The difference between the two modules comes from the height profile of the chipset. While both modules have a total height of 0.13 inches, the Intel Atom Z530P and SCH US15WP (the XL components) have a higher height profile. This makes the height in the areas of the Catalyst XL where these chips reside slightly higher than the Catalyst Module. Therefore, designs with heat sinks or direct contact enclosures that are sensitive to specific component heights might be affected.

For more information about the Catalyst XL, go to the [www.eurotech.com](http://www.eurotech.com) website.

Title	Product Replacement of Catalyst Module with Catalyst XL
Affected Products	Catalyst Module Based on Intel® Atom™ in the Small Package and Products Based on the Catalyst Module
PCN #	PCN10007
Date	November 15, 2010

## Eurotech Products Affected

Affected products are summarized in the table below along with the corresponding replacement product based on the Catalyst XL. Additional part numbers specific to your product might exist and should be discussed with your Eurotech RSM.

Catalyst Module		Catalyst XL	
Part Number	Description	Part Number	Description
900122-2001R	Catalyst Module, Intel Atom Z510, 1.1GHZ, 512MB DRAM, no TPM, Commercial Temp	Contact Us	
900122-2002R	Catalyst Module, Intel Atom Z530, 1.6GHZ, 1GB DRAM, no TPM, Commercial Temp	900123-3035R	Catalyst XL, Intel Atom Z530P, 1.6GHz, 1GB DRAM, no TPM, Commercial Temp
900122-2003R	Catalyst Module, Intel Atom Z510, 1.1GHZ, 1GB DRAM, no TPM, Commercial Temp	900123-3030R	Catalyst XL, Intel Atom Z510P, 1.1GHz, 1GB DRAM, no TPM, Commercial Temp
Unique	Custom product using the Intel Atom Z5xx and Intel SCH US15W	Unique	Custom product using the Intel Atom Z5xxP and Intel SCH US15WP

## Effective Date

This product change notice is effective immediately.

## Recommended Action

You do not need to take any action at this time. Details about mechanical differences and details can be found in the Catalyst XL design-in guide available on Eurotech's support forums at <http://support.eurotech-inc.com/forums/default.asp>. Refer to Topic ID 2670. 3D CAD models are also available from Eurotech under NDA. Please contact your Eurotech RSM for information on these documents.

## Special Considerations

Customers with previously negotiated, special considerations will be handled separately.

Contact your Eurotech regional sales manager with any questions.

West	Todd Altman	480.363.9635	Todd.Altman@eurotech.com
Central	Bill Johnson	630.888.0631	Bill.Johnson@eurotech.com
South	Harry Miller	214.682.4271	Harry.Miller@eurotech.com
East	Michael Duhamel	508.423.9393	Michael.Duhamel@eurotech.com