

Alpha Data will be changing the embedded firmware running on certain products in its range. This notice lists the affected products and the nature of the changes.

**Product(s) Affected:**

Current Part Number	New Part Number
ADM-PCIE-8K5 (all variants from serial number 0150 onwards)	ADM-PCIE-8K5 (no change to part number)

**Description and Purpose of Change:**

ADM-PCIE-8K5 products from serial number 0150 onwards include the ability to measure the FPGA die temperature independent of the design running in the FPGA. This allows the on-board system monitor to include a self-protection mechanism that will clear the FPGA if an over-temperature condition is detected.

This over-temperature protection has been added to the System Monitor firmware at version 2.3.0.

All new products from serial number 0359 onwards will be delivered with the thermal protection enabled.

Products with serial number in the range 0150 to 0358 require a firmware update to add the thermal protection feature.

The new firmware and programming instructions are available to download from the Alpha Data ftp server at: [ftp://ftp.alpha-data.com/pub/firmware/adm-pcie-8k5/archive/admpcie8k5\\_rev2\\_sysmon\\_2.3.0.zip](ftp://ftp.alpha-data.com/pub/firmware/adm-pcie-8k5/archive/admpcie8k5_rev2_sysmon_2.3.0.zip)

**Impact on Form, Fit or Function:**

Form: None  
 Fit: None  
 Function: Firmware update to allow FPGA over-temperature protection

**Effective Date of Change:**

1<sup>st</sup> March, 2017.

**Authorisation:**

Director: <i>[Signature]</i>	Date: <i>1/3/2017</i>
Quality Representative: <i>[Signature]</i>	Date: <i>1/3/2017</i>