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PRODUCT CHANGE NOTICE

Major chaMinor cha	0	Affected product:	ATS9371 serial number S860861 or later	
PCN #:	PCN-9371-001	Packaging		
PCN Date:	18-Nov-2024	 ☑ Part ☑ Product mar 	k	
Effective Date:	18-Nov-2024	□ Other		
Contact: Telephone:	AlazarTech Product Management +1-514-426-4899 <u>PCN@alazartech.com</u>	ECO: Enter ECO #		
Email:		Attachment:	🗆 Yes 🛛 No	

DESCRIPTION AND PURPOSE OF CHANGE:

PCB version change to 1.9 to include PCIe redrivers.

AlazarTech discovered that some server boards, such as Supermicro X11DPG-QT, do not meet PCIe QoS (Quality of Signal) specifications.

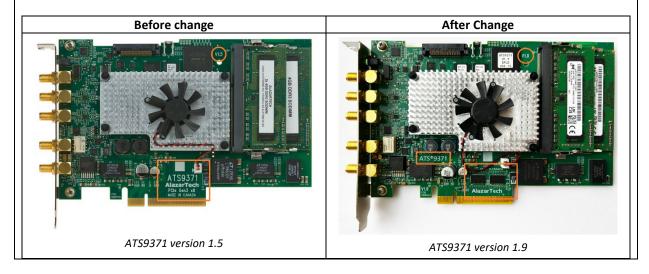
To allow customers to use ATS9371 boards with such motherboards, we added PCIe redrivers. These redrivers reconstruct the transceiver signals and have no detrimental effect on interoperability with in-specification motherboards.

Power consumption of these redrivers is in the order of a few hundred milliWatts, so there is negligible impact on power consumption.

PCB version 1.5 boards without redrivers will continue to ship until stock is depleted; these boards work with the vast majority of motherboards and server boards without issue.

DETAIL OF CHANGE:

Addition of redrivers on the PCB required moving the product name to the left. The PCB version number has changed to 1.9, as seen at the top of the board (to the left of the SODIMM). The PCB version number can also be found in AlazarDSO (for Windows) by pressing F4 to display the Board Properties. In Linux, use the <u>AlazarGetBoardRevision</u> API function to get the PCB version number.





Before change			After Change					
Board Properties - 1 : 1	×		Board Properties - 1 : 1	×				
Name Windows Version System Architecture Board Type Interface Type Link Width Link Speed (GT/s) Peak Transfer Rate (Bits per sample Samples per channel Channels per board DLL Version Driver Version CPLD Version ASoPC Signature FPGA Version PCB Revision Serial Number Board type Last calibration date Board Options Board Ontion	Value Microsoft Windows Serve G4-bit ATS9371-4G PCI Express 8 8 8 8 8 8 8 8 8 8 8 8		Name Windows Version System Architecture Board Type Interface Type Link Width Link Speed (GT/s) Peak Transfer Rate (B/s) Bits per sample Samples per channel Channels per board DLL Version Driver Version CPLD Version ASOPC Signature FPGA Version Serial Number Last calibration date Board Options Roard Options	Value Microsoft Windows 11 Prc 64-bit ATS9371-4G PCI Express 8 8 8 8 8 8 8 9 12 4294967294 2 7.13.1 7.13.1 33.13 932381A3 35.03 1.9 2024-09-04 00000000000404 Dual-nort memory OK				
AlazarDSO Board Properties <f4> for ATS9371 v1.5 AlazarDSO Board Properties <f4> for ATS9371 v1.9</f4></f4>								
RELIABILITY/QUALIFICATION SUMMARY: Product approval is according to the specification and is internally released by the Product Management Department.								
DOCUMENTATION CHANGES:								
Specifications: 🛛 Y Hardware manual: 🏹 Y	es 🗆 No			Yes □ No Yes □ No				
SDK manual: 🛛 Y	es 🛛 No							