

M9018A-01A

S E R V I C E N O T E

Supersedes:
M9018A-01

M9018A 18 slot PXIe Chassis

Affected Driver Version: 1.0.1.3 and before

PXI Express (PXIe) compliance issue with M9018A when operating in the “2-Link Configuration: 1x8”.

Situation and Solution/Action:

When operating in the “2-Link Configuration: 1x8” (intended only to be use with M9021A PCIe cable interface), the M9018A does not comply with the PXIe specification. As a result, you will experience the situations below when using the chassis with PXI compliant Resource Managers, embedded controllers and non-Agilent system modules.

- When using the M9021A with the M9018A chassis, PXI compliant (non-Agilent) Resource Managers and related resource viewing applications will present PXI modules without the context of the M9018A chassis. They will not discover the M9018A chassis, resulting in the PXI Chassis Descriptor not being written to the pxisys.ini file (see PXI-6 spec <http://www.pxisa.org/Specifications.html>, section 2.1 and 2.2.3). Users may use the M9021A with Agilent Connection Expert to discover the M9018A chassis and the peripheral module slot locations and other information for all modules.
- When using the M9018A chassis with system modules and embedded controllers compatible with 4-Link configuration, to achieve the optimum bandwidth, the chassis should be configured for 4x4 operation using the PCIe Switch Fabric Configurator program supplied with the chassis. Instructions for doing this can be found in the M9018A User Manual in chapter “Changing and Restoring the PCIe Link Configuration”.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
AUTHOR: TP	PRODUCT LINE: BL
ADDITIONAL INFORMATION:	

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