ADTRAN Security Advisory

ID: ADTSA-2018001 **Spectre and Meltdown Attack Vulnerability** **Revision: F**

Publication Date: 2018-01-12 (Rev. F: 2018-03-09)

Summary: On January 3, 2018, global media publicized three vulnerabilities that take advantage of the implementation of speculative execution of instructions on many modern microprocessor architectures to perform side-channel information disclosure attacks. The first two vulnerabilities, CVE-2017-5753 and CVE-2017-5715, are collectively known as *Spectre*. The third vulnerability, CVE-2017-5754, is known as *Meltdown*.

To exploit any of these vulnerabilities, an attacker must be able to run crafted code on an affected device. **The majority of ADTRAN products are closed systems that do not allow customers to run custom code and are, therefore, not vulnerable.** ADTRAN products are considered potentially vulnerable if they allow customers to execute custom code side-by-side on the same microprocessor, such as in a virtual machine environment. Regardless, ADTRAN is reviewing all product families.

For more information on these vulnerabilities, please visit the following links:
https://spectreattack.com/
https://meltdownattack.com/
https://googleprojectzero.blogspot.co.at/2018/01/reading-privileged-memory-with-side.html

Affected Products: ADTRAN product teams are currently analyzing how this affects our products and our customers. This includes reviewing what platforms may be vulnerable and what actions are necessary. An early assessment suggest that many of our products are not directly affected by these issues.

Under Investigation: All ADTRAN products

Description:

The following CVE IDs have been assigned to document these vulnerabilities:

Spectre

- CVE-2017-5753
- CVE-2017-5715

Meltdown

- CVE-2017-5754

Impact:

This vulnerability is classified by industry standards as a medium vulnerability. ADTRAN will release security patches for affected products as quickly as possible following the investigation. Product updates will be promptly added as each investigation is completed.

Product Line	Impact
ATLAS	No longer supported
Bluesocket	Affected and under further investigation.
G fast DPU	Does not affect/apply to product line
hiX	Does not affect/apply to product line
IP Phones	Does not affect/apply to product line
Mosaic	Specific Product Families affected. Details in Product Families Table below. All others currently under review

MX	Does not affect/apply to product line
Network Management	Specific Product Families affected. Details in Product Families Table below. All others not affected and/or applicable.
NetVanta	Does not affect and/or apply to product line
OPTI	Does not affect/apply to product line
Optical Networking Edge (ONE)	Does not apply to product line
Optical Network Terminal (xPON)	Does not affect/apply to product line
RFoG Micronode	Does not apply to product line
Total Access	Specific Product Families under further investigation. Details in Product Families Table below. All others not affected and/or applicable.

Product Families	Impact
Legacy – Commscope – 1G EPON	Currently under review
Mosaic - CP	Affected and updates available in MCP 16.05, 17.2, and 17.3 releases
Mosaic - OS	Affected and under further investigation
Network Management -ACI	Affected and updates available in 7.0.13-37patch2
Network Management - nCommand MSP	Affected and under further investigation.
PMAA/PMA	Affected and updates available in 1.6.0.201176
TA - 600	Currently under review
TA - 750	Currently under review
TA - 850	Currently under review
TA - 1500	Currently under review
TA - 1400 Series	Currently under review
TA - 3000	Product's End of Software Release date has been reached- no security assessment will be performed.
TA - 4303	Currently under review

Advisory Revisions and Status:

Revision	Date	Revision Description
A	2018-01-11	Initial release
B	2018-01-16	Added Updates to AOE and Mosaic CP
C	2018-01-19	Added Updates to ACI and specified MX products
D	2018-01-29	Added Updates to TA's, MX's, Atlas', and Mosaics
E	2018-02-05	Added Updates to TA5K and OSP DSLAM products
F	2018-03-09	Separated Product Lines and Product Families; Updated Product Lines and Product Families affected.