CVE-2019-6260

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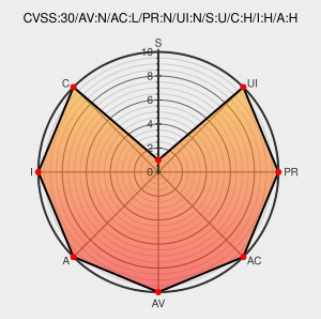
CVE-2019-6260

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ast2400 from Aspeedtech contain the following vulnerability:

The ASPEED ast2400 and ast2500 Baseband Management Controller (BMC) hardware and firmware implement Advanced High-performance Bus (AHB) bridges, which allow arbitrary read and write access to the BMC's physical address space from the host (or from the network in unusual cases where the BMC console uart is attached to a serial concentrator). This CVE applies to the specific cases of iLPC2AHB bridge Pt I, iLPC2AHB bridge Pt II, PCIe VGA P2A bridge, DMA from/to arbitrary BMC memory via X-DMA, UART-based SoC Debug interface, LPC2AHB bridge, PCIe BMC P2A bridge, and Watchdog setup.

CVE-2019-6260 has been assigned by cve@mitre.org to track the vulnerability - currently rated as CRITICAL severity.

CVSS3 Score: 9.8 - CRITICAL

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 7.5 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link

Broadcom Inc. | Connecting Everything	Third Party Advisory www.broadcom.com text/html	CONFIRM www.broadcom.com/support/fibre-channel-networking/security-advisories/brocade-security-advisory-2019-785
CVE-2019-6260 ASPEED BMC Vulnerability in NetApp Products | NetApp Product Security	Patch Third Party Advisory security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20190314-0001/
CVE-2019-6260: Gaining control of BMC from the host processor | Ramblings	Third Party Advisory www.flamingspork.com text/html	MISC www.flamingspork.com/blog/2019/01/23/cve-2019-6260:-gaining-control-of-bmc-from-the-host-processor/

There are currently no QIDs associated with this CVE

Exploit/POC from Github

A Test and Debug Tool for ASPEED BMC AHB Interfaces

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Aspeedtech	Ast2400	-	All	All	All
Hardware	Aspeedtech	Ast2400	-	All	All	All
Operating System	Aspeedtech	Ast2400 Firmware	All	All	All	All
Operating System	Aspeedtech	Ast2400 Firmware	All	All	All	All
Hardware	Aspeedtech	Ast2500	-	All	All	All
Hardware	Aspeedtech	Ast2500	-	All	All	All
Operating System	Aspeedtech	Ast2500 Firmware	All	All	All	All
Operating System	Aspeedtech	Ast2500 Firmware	All	All	All	All
Application	Netapp	Fas/aff Baseboard Management Controller	All	All	All	All
Application	Netapp	Fas/aff Baseboard Management Controller	All	All	All	All
Application	Netapp	Fas/aff Baseboard Management Controller	All	All	All	All

cpe:2.3:h:aspeedtech:ast2400:-:*:*:*:*:*:*:*:

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cpe:2.3:o:aspeedtech:ast2400_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:aspeedtech:ast2500:-:*:*:*:*:*:*:*:

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cpe:2.3:o:aspeedtech:ast2500_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:a:netapp:fas/aff_baseboard_management_controller:*:*:*:*:*:*:*:*:

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cpe:2.3:a:netapp:fas\/aff_baseboard_management_controller:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@mramboar	The AHB tracer is here: github.com/amboar/cve-201…	2021-04-16 09:06:49
@mramboar	Save yourself from a bad day with an AST2600 with AHB command tracing. Now available over all the usual interfaces! github.com/amboar/cve-201…	2021-04-27 02:39:39
@mramboar	Nice work by @oohal removing an awful work-around for SPI accesses over some of the the Aspeed AHB bridges github.com/amboar/cve-201…	2021-07-26 11:41:29

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