



CVE-2019-18845

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CVE-2019-18845

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Viper Rgb](#) from [Patriotmemory](#) contain the following vulnerability:

The Mslo64.sys and Mslo32.sys drivers in Patriot Viper RGB before 1.1 allow local users (including low integrity processes) to read and write to arbitrary memory locations, and consequently gain NT AUTHORITY\SYSTEM privileges, by mapping \Device\PhysicalMemory into the calling process via ZwOpenSection and ZwMapViewOfSection.

CVE-2019-18845 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.1 - HIGH**

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

CVSS2 Score: **3.6 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	NONE

CVE References

Description	Tags	Link
Advisories/ACTIVE-2019-012.md at master · active-labs/Advisories · GitHub	github.com text/html	MISC github.com/active-labs/Advisories/blob/master/2019/ACTIVE-2019-012.md

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Patriotmemory	Viper Rgb	-	All	All	All
Hardware 	Patriotmemory	Viper Rgb	-	All	All	All
Operating System	Patriotmemory	Viper Rgb Firmware	1.0	All	All	All
Operating System	Patriotmemory	Viper Rgb Firmware	1.0	All	All	All
cpe:2.3:h:patriotmemory:viper_rgb:-:*:*:*:*:*:						
cpe:2.3:h:patriotmemory:viper_rgb:-:*:*:*:*:*:						
cpe:2.3:o:patriotmemory:viper_rgb_firmware:1.0:*:*:*:*:*:						
cpe:2.3:o:patriotmemory:viper_rgb_firmware:1.0:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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