

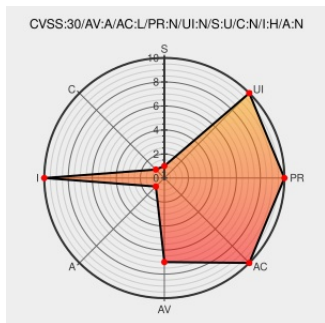


CVE-2018-16806

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CVE-2018-16806

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

Certain versions of [Passive Keyless Entry And Start System](#) from [Pektron](#) contain the following vulnerability:

A Pektron Passive Keyless Entry and Start (PKES) system, as used on the Tesla Model S and possibly other vehicles, relies on the DST40 cipher, which makes it easier for attackers to obtain access via an approach involving a 5.4 TB precomputation, followed by wake-frame reception and two challenge/response operations, to clone a key fob

within a few seconds.

CVE-2018-16806 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **6.5 - MEDIUM**

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

CVSS2 Score: **3.3 - LOW**

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

CVE References

Description	Tags	Link
Fast, Furious and Insecure: Passive Keyless Entry and Start in Modern Supercars COSIC	Exploit Third Party Advisory	MISC www.esat.kuleuven.be/cosic/fast-furious-and-insecure-passive-keyless-entry-and-start-in-modern-

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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  	Pektron	Passive Keyless Entry And Start System	-	All	All	All
Hardware  	Pektron	Passive Keyless Entry And Start System	-	All	All	All
Operating System	Pektron	Passive Keyless Entry And Start System Firmware	-	All	All	All
Operating System	Pektron	Passive Keyless Entry And Start System Firmware	-	All	All	All
cpe:2.3:h:pektron:passive_keyless_entry_and_start_system:-:*:*:*:*:*:						
cpe:2.3:h:pektron:passive_keyless_entry_and_start_system:-:*:*:*:*:*:						
cpe:2.3:o:pektron:passive_keyless_entry_and_start_system_firmware:-:*:*:*:*:*:						
cpe:2.3:o:pektron:passive_keyless_entry_and_start_system_firmware:-:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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