



# CVE-2019-17517

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## CVE-2019-17517

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF

CVSS:31/AV:A/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H



Certain versions of [Da14580](#) from [Dialog-semiconductor](#) contain the following vulnerability:

The Bluetooth Low Energy implementation on Dialog Semiconductor SDK through 5.0.4 for DA14580/1/2/3 devices does not properly restrict the L2CAP payload length, allowing attackers in radio range to cause a buffer overflow via a crafted Link Layer packet.

CVE-2019-17517 has been assigned by [M](#) [cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.7 - MEDIUM**

| Attack Vector           | Attack Complexity      | Privileges Required | User Interaction    |
|-------------------------|------------------------|---------------------|---------------------|
| <b>ADJACENT_NETWORK</b> | <b>LOW</b>             | <b>NONE</b>         | <b>REQUIRED</b>     |
| Scope                   | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b>        | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **6.1 - MEDIUM**

| Access Vector           | Access Complexity | Authentication      |
|-------------------------|-------------------|---------------------|
| <b>ADJACENT_NETWORK</b> | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact  | Integrity Impact  | Availability Impact |
| <b>NONE</b>             | <b>NONE</b>       | <b>COMPLETE</b>     |

## CVE References

| Description                                           | Tags                                                                                                                                       | Link                                                                                                                                                                                                                                   |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SmartBond™ DA14580 and DA14583   Dialog Semiconductor | <a href="#">Third Party Advisory</a><br><a href="http://www.dialog-semiconductor.com/text/html">www.dialog-semiconductor.com/text/html</a> | <a href="https://www.dialog-semiconductor.com/products/connectivity/bluetooth-low-energy/smartbond-da14580-and-da14583">MISC www.dialog-semiconductor.com/products/connectivity/bluetooth-low-energy/smartbond-da14580-and-da14583</a> |
| ASSET Research Group: SweynTooth                      | <a href="#">Third Party Advisory</a>                                                                                                       | <a href="https://asset-group.github.io/disclosures/sweyntooth/">MISC asset-group.github.io/disclosures/sweyntooth/</a>                                                                                                                 |

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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       | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14580</a>                  | -       | All    | All     | All      |
| Hardware       | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14580</a>                  | -       | All    | All     | All      |
| Hardware       | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14581</a>                  | -       | All    | All     | All      |
| Hardware       | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14581</a>                  | -       | All    | All     | All      |
| Hardware       | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14582</a>                  | -       | All    | All     | All      |
| Hardware       | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14582</a>                  | -       | All    | All     | All      |
| Hardware   | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14583</a>                  | -       | All    | All     | All      |
| Hardware   | <a href="#">Dialog-semiconductor</a> | <a href="#">Da14583</a>                  | -       | All    | All     | All      |
| Application                                                                                                                                                                      | <a href="#">Dialog-semiconductor</a> | <a href="#">Software Development Kit</a> | All     | All    | All     | All      |
| cpe:2.3:h:dialog-semiconductor:da14580:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14580:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14581:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14581:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14582:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14582:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14583:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:h:dialog-semiconductor:da14583:-:*~::~~::~~:::                                                                                                                           |                                      |                                          |         |        |         |          |
| cpe:2.3:a:dialog-semiconductor:software_development_kit:*~::~~::~~:::                                                                                                            |                                      |                                          |         |        |         |          |

No vendor comments have been submitted for this CVE

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