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## PRODUCT SECURITY INFORMATION ALERT

**PSIA:** PIN191001

**Date:** March 06, 2019

**Subject:** CVE-2018-19860 - Vulnerability in Specific Cypress Bluetooth Controllers Containing Certain Firmware Versions

**To:** GENERAL INBOX  
PREMIER FARNELL  
ProductChangeNotices@premierfarnell.com

**Alert Type:** Minor

### Description of Alert:

At a recent conference in Germany, researchers publicized a vulnerability in specific Cypress Bluetooth controllers containing certain firmware versions. The vulnerable Bluetooth controllers are missing a parameter range check, and as a result, hackers can send illegitimate link management protocol (LMP) messages (over the air) from one compromised device to another vulnerable device. These LMP messages may or may not be compliant with Bluetooth standards, and can cause unexpected behavior and potentially crash the target device.

This range check issue was eliminated in the firmware master branch prior to 2015. Bluetooth controllers with ROM images generated from a 2014 or earlier master branch may be affected. Bluetooth controllers with ROM images based on a 2015 or later master branch are not affected.

Potentially affected devices are listed below.

### Alert Objective:

Notify customers of this vulnerability.

### Part Numbers Affected: 61

See the attached 'Affected Parts List' file for a list of all part numbers affected by this notification.

The following Cypress Bluetooth controllers are included in this notification and may be affected depending on firmware.

<b>Affected Part Numbers</b>			
CYW20702	CYW20706	CYW20734	CYW4354A2
CYW20703	CYW20707	CYW4339	CYW89071
CYW20704	CYW20730	CYW43438	CYW89072
CYW20705	CYW20733	CYW4343W	CYW89335

**Anticipated Impact:**

Vulnerable Bluetooth controllers should be updated with current firmware.

**Response Required:**

This is an information announcement. Customers should determine if their designs include a potentially vulnerable Bluetooth controller and firmware revision, and if so, update to current firmware.

For assistance or additional information regarding this notification, contact your local sales representative.

Sincerely,

Cypress PCN Administration