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Security Advisory

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CVE	CVE-2022-26529
Title	Realtek Linux/Android Bluetooth Mesh SDK – An Out-of-bound
	Write Due to Inconsistent Message Type in Mesh Transport Layer
Description	In Realtek Android Bluetooth Mesh SDK, an out-of-bound write
1	vulnerability can be triggered by sending a series of segmented control
	packets and access packets with the same SeqAuth. There is a defect
	that mesh SDK considers control packet and access packet with the
	same SeqAuth derived from Ivindex, SeqZero, Seq as linked
	segmented packet, which causes them to share the same cache
	memory. However, memory required by control packet is smaller than
	that of the access packet, it can lead to an out-of-bound write when
	caching access packet in memory allocated for control packet.
Severity	Medium
CVSSv3	Base score 5.3,
	CVSS:3.1/AV:A/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:H/E:U/RL:O/RC:C
Vulnerability	Denial of Service
Type	
CWE	CWE-120: Buffer Copy without Checking Size of Input ('Classic
	Buffer Overflow') The program copies an input buffer to an output
	buffer without verifying that the size of the input buffer is less than the
	size of the output buffer, leading to a buffer overflow.
Affected	8723DS,8821CS, 8723FS
Chipsets	
Affected	Older than Mesh SDK v4.17-4.17-20220127
Software	
Versions	

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