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The MediaTek Product Security Bulletin contains details of security vulnerabilities affecting certain MediaTek chipsets. Device OEMs have been notified of all the issues and the corresponding security patches for at least two months before publication. We take the security of our chipsets and our customers' products very seriously. At this time, we are not aware of any active exploitation of these vulnerabilities in the wild.

The severity of the identified vulnerabilities was conducted based on the Common Vulnerability Scoring System version 3.1 (CVSS v3.1).

Summary

Severity	CVEs



	2025-20720
Medium	CVE-2025-20721, CVE-2025-20713, CVE-2025-20714, CVE-2025-20722, CVE-2025-20723, CVE-2025-20715, CVE-2025-20716, CVE-2025-20717, CVE-2025-20724

Details

CVE	CVE-2025-20712
Title	Heap overflow in wlan
Severity	High
CWE	CWE-122 Heap Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6990, MT7990, MT7991, MT7992, MT7993
Report Source	External

CVE	CVE-2025-20711
Title	Specified type in wlan
Severity	High
CWE	CWE-1287 Specified Type
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7916, MT7981, MT7986



CVE	CVE-2025-20710
Title	Integer overflow in wlan
Severity	High
CWE	CWE-190 Integer Overflow
Description	There is a possible out of bounds write due to an integer overflow.
Affected Chipsets	MT6890, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20709
Title	Classic buffer overflow in wlan
Severity	High
CWE	CWE-120 Classic Buffer Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20718
Title	Stack overflow in wlan
Severity	High



Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20719
Title	Stack overflow in wlan
Severity	High
CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7603, MT7615, MT7622, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20720
Title	Heap overflow in wlan
Severity	High
CWE	CWE-122 Heap Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.



Report Source	External
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CVE	CVE-2025-20721
Title	Out-of-bounds write in imgsensor
Severity	Medium
CWE	CWE-787 Out-of-bounds Write
Description	There is a possible out of bounds write due to a missing bounds check.
Affected Chipsets	MT6886, MT6897, MT6899, MT6985, MT6989, MT6991, MT8195, MT8196, MT8370, MT8390, MT8395, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20713
Title	Stack overflow in wlan
Severity	Medium
CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External



Title	Stack overflow in wlan
Severity	Medium
CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20722
Title	Integer overflow in gnss
Severity	Medium
CWE	CWE-190 Integer Overflow
Description	There is a possible out of bounds read due to an integer overflow.
Affected Chipsets	MT6835, MT6878, MT6886, MT6897, MT6899, MT6980D, MT6985, MT6989, MT6990, MT6991, MT8676, MT8678, MT8775, MT8791T, MT8796, MT8873
Report Source	External

CVE	CVE-2025-20723
Title	Out-of-bounds write in gnss



CWE	CWE-787 Out-of-bounds Write
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6835, MT6878, MT6886, MT6897, MT6899, MT6985, MT6989, MT6991, MT8676, MT8678, MT8775, MT8791T, MT8796, MT8873
Report Source	External

CVE	CVE-2025-20715
Title	Out-of-bounds write in wlan
Severity	Medium
CWE	CWE-787 Out-of-bounds Write
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20716
Title	Out-of-bounds write in wlan
Severity	Medium
CWE	CWE-787 Out-of-bounds Write



Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20717
Title	Stack overflow in wlan
Severity	Medium
CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	CVE-2025-20724
Title	Out-of-bounds read in wlan
Severity	Medium
CWE	CWE-125 Out-of-bounds Read
Description	There is a possible out of bounds read due to an incorrect bounds check.
Affected Chipsets	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986



Versions

Version	Date	Description
1.0	October 7, 2025	Bulletin published.

Notes

Information above is generated only at the time of creation of this Security Bulletin. The list of affected chipsets could be not complete. For any further information, device OEMs can reach your MediaTek contact person if needed.

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