Announcement
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Disclosure Policy
Security Bulletin
Acknowledgements

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

	CVE-2025-20735, CVE-2025-20737, CVE-2025-20740, CVE-2025-20742
Medium	CVE-2025-20743, CVE-2025-20744, CVE-2025-20745, CVE-2025-20729, CVE-2025-20731, CVE-2025-20732, CVE-2025-20734, CVE-2025-20736, CVE-2025-20738, CVE-2025-20739, CVE-2025-20746, CVE-2025-20747, CVE-2025-20741, CVE-2025-20748, CVE-2025-20749

Details

CVE	**CVE-2025-20727**
Title	Out-of-bounds write in Modem
Severity	High
CWE	CWE-787 Out-of-bounds Write
Description	There is a possible out of bounds write due to a heap buffer overflow.

	MT6769, MT6769R, MT6769S, MT6769T, MT6792, MT6771, MT6813, MT6833, MT6833P, MT6835, MT6835T, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6878, MT6878M, MT6879, MT6880, MT6883, MT6885, MT6886, MT6889, MT6890, MT6891, MT6893, MT6895, MT6895TT, MT6896, MT6897, MT6899, MT6980, MT6980D, MT6983, MT6983T, MT6985, MT6985T, MT6989, MT6989T, MT6990, MT6991, MT8666, MT8667, MT8673, MT8675, MT8676, MT8678, MT8765, MT8766, MT8766R, MT8768, MT8771, MT8786, MT8788, MT8788E, MT8791, MT8791T, MT8792, MT8793, MT8795T, MT8797, MT8798, MT8863, MT8873, MT8883, MT8893
Report Source	External

CVE	**CVE-2025-20726**
Title	Heap overflow in Modem
Severity	High
CWE	CWE-122 Heap Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.

	MT6769, MT6769R, MT6769S, MT6769T, MT6772, MT6771, MT6813, MT6833, MT6833P, MT6835, MT6835T, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6878, MT6878M, MT6879, MT6880, MT6883, MT6885, MT6886, MT6889, MT6890, MT6891, MT6893, MT6895, MT6895TT, MT6896, MT6897, MT6899, MT6980, MT6980D, MT6983, MT6983T, MT6985, MT6985T, MT6989, MT6989T, MT6990, MT6991, MT8666, MT8667, MT8673, MT8675, MT8676, MT8678, MT8765, MT8766, MT8766R, MT8768, MT8771, MT8786, MT8788, MT8788E, MT8791, MT8791T, MT8792, MT8793, MT8795T, MT8797, MT8798, MT8863, MT8873, MT8883, MT8893
Report Source	External

CVE	**CVE-2025-20725**
Title	Out-of-bounds write in ims service
Severity	High
CWE	CWE-787 Out-of-bounds Write
Description	There is a possible out of bounds write due to a missing bounds check.

	MT6769, MT6769R, MT6769S, MT6769T, MT6772, MT6771, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6879, MT6880, MT6883, MT6885, MT6886, MT6889, MT6890, MT6891, MT6893, MT6895, MT6895TT, MT6896, MT6980, MT6980D, MT6983, MT6983T, MT6985, MT6985T, MT6989, MT6989T, MT6990, MT8666, MT8667, MT8673, MT8675, MT8765, MT8766, MT8766R, MT8768, MT8771, MT8786, MT8788, MT8788E, MT8791, MT8791T, MT8795T, MT8797, MT8798, MT8893
Report Source	External

CVE	**CVE-2025-20728**
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	MT7902, MT7920, MT7921, MT7922, MT7925, MT7927
Report Source	External

CVE	**CVE-2025-20730**
Title	Improper authentication - generic in preloader
Severity	High
CWE	CWE-287 Improper Authentication - Generic

Affected Chipsets	MT2737, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6990, MT6991, MT8188, MT8195, MT8676, MT8678, MT8696
Report Source	External

CVE	**CVE-2025-20733**
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	MT6890, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	**CVE-2025-20735**
Title	Heap overflow in wlan
Severity	High
CWE	CWE-122 Heap Overflow

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

CVE	**CVE-2025-20737**
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, MT7615, MT7622, MT7663, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	**CVE-2025-20740**
Title	Time-of-check time-of-use (toctou) race condition in wlan
Severity	High
CWE	CWE-367 Time-of-check Time-of-use (TOCTOU) Race Condition
Description	There is a possible out of bounds read due to a race condition.
Affected Chipsets	MT7902, MT7920, MT7921, MT7922, MT7925, MT7927

CVE	**CVE-2025-20742**
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	MT6890, MT7603, MT7615, MT7622, MT7915, MT7916, MT7981, MT7986
Report Source	External

CVE	**CVE-2025-20743**
Title	Use after free in clkdbg
Severity	Medium
CWE	CWE-416 Use After Free
Description	There is a possible escalation of privilege due to use after free.

	MT6989, MT6991, MT8113, MT8163, MT8168, MT8169, MT8183, MT8186, MT8188, MT8195, MT8196, MT8321, MT8365, MT8385, MT8390, MT8391, MT8512, MT8516, MT8519, MT8676, MT8678, MT8695, MT8696, MT8698, MT8755, MT8766, MT8768, MT8771, MT8775, MT8781, MT8786, MT8788E, MT8791T, MT8792, MT8793, MT8796, MT8797, MT8798, MT8873, MT8883, MT8893
Report Source	External

CVE	**CVE-2025-20744**
Title	Use after free in pda
Severity	Medium
CWE	CWE-416 Use After Free
Description	There is a possible escalation of privilege due to use after free.
Affected Chipsets	MT6899, MT6991, MT8793
Report Source	External

CVE	**CVE-2025-20745**
Title	Use after free in apusys
Severity	Medium
CWE	CWE-416 Use After Free
Description	There is a possible memory corruption due to use after free.

Report Source	External

CVE	**CVE-2025-20729**
Title	Heap overflow in wlan
Severity	Medium
CWE	CWE-122 Heap 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-2025-20731**
Title	Heap overflow in wlan
Severity	Medium
CWE	CWE-122 Heap 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-2025-20734**
Title	Heap overflow in wlan
Severity	Medium
CWE	CWE-122 Heap 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-2025-20736**
Title	Stack overflow in wlan
Severity	Medium

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-2025-20738**
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-2025-20739**
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.

Report Source	External

CVE	**CVE-2025-20746**
Title	Stack overflow in gnss
Severity	Medium
CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT2718, MT2737, MT6835, MT6878, MT6886, MT6897, MT6899, MT6982, MT6985, MT6986, MT6986D, MT6989, MT6990, MT6991, MT8676, MT8678, MT8755, MT8893
Report Source	External

CVE	**CVE-2025-20747**
Title	Stack overflow in gnss
Severity	Medium
CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to an incorrect bounds check.
Affected Chipsets	MT2718, MT2737, MT6835, MT6878, MT6886, MT6897, MT6899, MT6982, MT6985, MT6986, MT6986D, MT6989, MT6990, MT6991, MT8676, MT8678, MT8755, MT8893

CVE	CVE-2025-20741
Title	Heap overflow in wlan
Severity	Medium
CWE	CWE-122 Heap 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-2025-20748
Title	Classic buffer overflow in wlan
Severity	Medium
CWE	CWE-120 Classic Buffer 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-2025-20749
Title	Stack overflow in charger

CWE	CWE-121 Stack Overflow
Description	There is a possible out of bounds write due to a missing bounds check.
Affected Chipsets	MT6789, MT6835, MT6855, MT6878, MT6879, MT6886, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8169, MT8188, MT8195, MT8196, MT8781, MT8796
Report Source	External

Versions

Version	Date	Description
1.0	November 3, 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.

If you want to report a security vulnerability in MediaTek chipsets or products, please go to Report Security Vulnerability page on MediaTek website.