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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
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	CVE-2025-20758, CVE-2025-20757, CVE-2025-20756, CVE-2025-20752, CVE-2025-20791, CVE-2025-20751, CVE-2025-20750
Medium	CVE-2025-20763, CVE-2025-20764, CVE-2025-20765, CVE-2025-20766, CVE-2025-20767, CVE-2025-20768, CVE-2025-20769, CVE-2025-20770, CVE-2025-20771, CVE-2025-20772, CVE-2025-20773, CVE-2025-20774, CVE-2025-20775, CVE-2025-20776, CVE-2025-20777, CVE-2025-20788, CVE-2025-20789

Details

CVE	CVE-2025-20792
Title	Reachable assertion in Modem
Severity	High
CWE	CWE-617 Reachable Assertion
Description	There is a possible system crash due to improper input validation.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8791T
Report Source	External

CVE	CVE-2025-20753
Title	Uncaught exception in Modem



CWE	CWE-248 Uncaught Exception
Description	There is a possible system crash due to an uncaught exception.
Affected Chipsets	MT2735, MT2737, 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, MT8675, MT8771, MT8791, MT8791T, MT8797
Report Source	External

CVE	CVE-2025-20754
Title	Uncaught exception in Modem
Severity	High
CWE	CWE-248 Uncaught Exception
Description	There is a possible system crash due to an incorrect bounds check.
Affected Chipsets	MT2735, MT2737, 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, MT8673, MT8675, MT8676, MT8678, MT8755, MT8771, MT8791, MT8791T, MT8792, MT8793, MT8795T, MT8797, MT8798, MT8863, MT8873, MT8883, MT8893



CVE	CVE-2025-20755
Title	Null pointer dereference in Modem
Severity	High
CWE	CWE-476 NULL Pointer Dereference
Description	There is a possible application crash due to improper input validation.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8675, MT8771, MT8791, MT8791T, MT8797
Report Source	External

CVE	CVE-2025-20790
Title	Null pointer dereference in Modem
Severity	High
CWE	CWE-476 NULL Pointer Dereference
Description	There is a possible system crash due to improper input validation.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8675, MT8771, MT8791, MT8791T, MT8797



CVE	CVE-2025-20759
Title	Out-of-bounds read in Modem
Severity	High
CWE	CWE-125 Out-of-bounds Read
Description	There is a possible out of bounds read due to a missing bounds check.
Affected Chipsets	MT2735, MT2737, 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, MT8673, MT8675, MT8771, MT8791, MT8791T, MT8795T, MT8797, MT8798, MT8893
Report Source	External

CVE	CVE-2025-20758
Title	Uncaught exception in Modem
Severity	High
CWE	CWE-248 Uncaught Exception
Description	There is a possible system crash due to an uncaught exception.



	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, MT8673, MT8675, MT8676, MT8678, MT8755, MT8771, MT8791, MT8791T, MT8792, MT8793, MT8795T, MT8797, MT8798, MT8863, MT8873, MT8883, MT8893
Report Source	External

CVE	CVE-2025-20757
Title	Reachable assertion in Modem
Severity	High
CWE	CWE-617 Reachable Assertion
Description	There is a possible system crash due to improper input validation.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8675, MT8771, MT8791, MT8791T, MT8797
Report Source	External

CVE	CVE-2025-20756
Title	Specified type in Modem
Severity	High



Description	There is a possible system crash due to a logic error.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8673, MT8675, MT8676, MT8678, MT8755, MT8771, MT8791, MT8791T, MT8792, MT8793, MT8795T, MT8797, MT8798, MT8863, MT8873, MT8883, MT8893
Report Source	External

CVE	CVE-2025-20752
Title	Reachable assertion in Modem
Severity	High
CWE	CWE-617 Reachable Assertion
Description	There is a possible system crash due to a missing bounds check.
Affected Chipsets	MT2735, MT2737, 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, MT8676, MT8791T
Report Source	External

CVE	CVE-2025-20791
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Severity	High
CWE	CWE-617 Reachable Assertion
Description	There is a possible system crash due to incorrect error handling.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8675, MT8771, MT8791, MT8791T, MT8797
Report Source	External

CVE	CVE-2025-20751
Title	Out-of-bounds write in Modem
Severity	High
CWE	CWE-787 Out-of-bounds Write
Description	There is a possible system crash due to a missing bounds check.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8675, MT8771, MT8791, MT8791T, MT8797
Report Source	External

CVE	CVE-2025-20750
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Severity	High
CWE	CWE-476 NULL Pointer Dereference
Description	There is a possible system crash due to improper input validation.
Affected Chipsets	MT2735, MT6833, MT6833P, MT6853, MT6853T, MT6855, MT6855T, MT6873, MT6875, MT6875T, MT6877, MT6877T, MT6877TT, MT6880, MT6883, MT6885, MT6889, MT6890, MT6891, MT6893, MT8675, MT8771, MT8791, MT8791T, MT8797
Report Source	External

CVE	CVE-2025-20763
Title	Out-of-bounds write in mmdvfs
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	MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793, MT8796, MT8873, MT8893
Report Source	External

CVE	CVE-2025-20764
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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	MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793, MT8796, MT8873, MT8893
Report Source	External

CVE	CVE-2025-20765
Title	Double free in aee daemon
Severity	Medium
CWE	CWE-415 Double Free
Description	There is a possible system crash due to a race condition.
Affected Chipsets	MT2718, MT2737, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6880, MT6883, MT6885, MT6886, MT6889, MT6890, MT6893, MT6895, MT6897, MT6899, MT6980D, MT6983, MT6985, MT6989, MT6990, MT6991, MT8113, MT8115, MT8139, MT8163, MT8168, MT8169, MT8183, MT8186, MT8188, MT8512, MT8516, MT8518, MT8519, MT8532, MT8676, MT8678, MT8695, MT8696, MT8698



CVE	CVE-2025-20766
Title	Use of uninitialized variable in display
Severity	Medium
CWE	CWE-457 Use of Uninitialized Variable
Description	There is a possible memory corruption due to improper input validation.
Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20767
Title	Out-of-bounds write in display
Severity	Medium
CWE	CWE-787 Out-of-bounds Write
Description	There is a possible out of bounds write due to an integer overflow.



	MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20768
Title	Out-of-bounds read in display
Severity	Medium
CWE	CWE-125 Out-of-bounds Read
Description	There is a possible out of bounds read due to a missing bounds check.
Affected Chipsets	MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991
Report Source	External

CVE	CVE-2025-20769
Title	Stack overflow in display
Severity	Medium
CWE	CWE-121 Stack Overflow



Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20770
Title	Use after free in display
Severity	Medium
CWE	CWE-416 Use After Free
Description	There is a possible memory corruption due to use after free.
Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20771
Title	Use of uninitialized variable in display
Severity	Medium



Description	There is a possible escalation of privilege due to improper input validation.
Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20772
Title	Double free in display
Severity	Medium
CWE	CWE-415 Double Free
Description	There is a possible memory corruption due to use after free.
Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20773
Title	Double free in display



CWE	CWE-415 Double Free
Description	There is a possible memory corruption due to use after free.
Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20774
Title	Heap overflow in display
Severity	Medium
CWE	CWE-122 Heap Overflow
Description	There is a possible out of bounds write due to a missing bounds check.
Affected Chipsets	MT2718, MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8196, MT8676, MT8678, MT8792, MT8793
Report Source	External

CVE	CVE-2025-20775
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Severity	Medium
CWE	CWE-415 Double Free
Description	There is a possible memory corruption due to use after free.
Affected Chipsets	MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8186, MT8188, MT8196, MT8667, MT8673, MT8676, MT8678, MT8765, MT8766, MT8768, MT8771, MT8781, MT8791T, MT8792, MT8793, MT8795T, MT8796, MT8798, MT8873, MT8883
Report Source	External

CVE	CVE-2025-20776
Title	Out-of-bounds read in display
Severity	Medium
CWE	CWE-125 Out-of-bounds Read
Description	There is a possible out of bounds read due to a missing bounds check.



	MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8186, MT8188, MT8196, MT8667, MT8673, MT8676, MT8678, MT8765, MT8766, MT8768, MT8771, MT8781, MT8791T, MT8792, MT8793, MT8795T, MT8796, MT8798, MT8873, MT8883
Report Source	External

CVE	CVE-2025-20777
Title	Out-of-bounds write in display
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	MT6739, MT6761, MT6765, MT6768, MT6781, MT6789, MT6833, MT6835, MT6853, MT6855, MT6877, MT6878, MT6879, MT6883, MT6885, MT6886, MT6889, MT6893, MT6895, MT6897, MT6899, MT6983, MT6985, MT6989, MT6991, MT8186, MT8188, MT8196, MT8667, MT8673, MT8676, MT8678, MT8765, MT8766, MT8768, MT8771, MT8781, MT8791T, MT8792, MT8793, MT8795T, MT8796, MT8798, MT8873, MT8883
Report Source	External

CVE	CVE-2025-20788
Title	Improper access control for register interface in GPU pdma



CWE	CWE-1262 Improper Access Control for Register Interface
Description	There is a possible memory corruption due to a missing permission check.
Affected Chipsets	MT6991, MT8196
Report Source	External

CVE	CVE-2025-20789
Title	Information exposure through sent data in GPU pdma
Severity	Medium
CWE	CWE-201 Information Exposure Through Sent Data
Description	There is a possible information disclosure due to a missing bounds check.
Affected Chipsets	MT6781, MT6833, MT6853, MT6877, MT6893, MT8196
Report Source	External

Versions

Version	Date	Description
1.0	December 1, 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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