

Security Advisory Report

October 15, 2024

Realtek RtsPer/RtsUer Card Reader Driver Vulnerability (CVE-2024-40431/CVE-2024-40432)

Release Date

2024/10/15

Affected Projects

Realtek RtsPer driver for PCIe Card Reader

Realtek RtsUer driver for USB Card Reader

Affected Versions

RtsPer.sys version 10.0.26100.21373 and below

RtsUer.sys version 10.0.26100.31287 and below

CVE ID

CVE-2024-40431

CVE-2024-40432

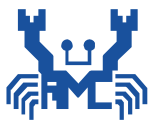
Description

1. Illegal input data from user mode is not properly validated and might lead to a system BSOD.
2. User mode could access almost 4GB of physical memory without any privileges.

Vulnerability Type

Gain Privileges

Kernel Memory Leak



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Attack Type

Local

Security Risk

High

Patch

RtsPer v10.0.26100.21374

RtsUer v10.0.26100.31288

Acknowledgement

The Realtek Production Security Team would like to thank the following people and parties for finding and responsibly reporting security vulnerabilities to improve Realtek production security.

- "Michael M" <michael.myng@gmail.com>

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