



مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**High-Severity Vulnerability in Moxa PT Switches**  
Tracking #:432316823  
Date:04-02-2025

## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-severity vulnerability in Moxa PT switches, which could enable attackers to launch denial-of-service (DoS) attacks on affected devices, potentially disrupting critical infrastructure operations.

## TECHNICAL DETAILS:

Moxa, a leading provider of industrial networking and communication solutions, has recently addressed a critical out-of-bounds write vulnerability affecting several of its PT switches.

### Vulnerability Details:

- **CVE-2024-7695**
- CVSS Score 8.7 High
- A critical out-of-bounds write vulnerability exists in Moxa PT switches. This vulnerability could allow attackers to launch denial-of-service (DoS) attacks against affected devices.
- The vulnerability stems from insufficient input validation in the Moxa Service and Moxa Service (Encrypted) components of the PT switches. This flaw allows attackers to write data beyond the bounds of the intended memory buffer, potentially overwriting critical system data and causing the switch to crash or become unresponsive.
- Successful exploitation of this vulnerability could lead to a denial-of-service condition, disrupting normal operations and potentially causing significant downtime for critical systems.

### Affected Products and Versions:

The following Moxa PT switch series and firmware versions are affected:

- **PT-7728 Series** (firmware version 3.9 and earlier)
- **PT-7828 Series** (firmware version 4.0 and earlier)
- **PT-G503 Series** (firmware version 5.3 and earlier)
- **PT-G510 Series** (firmware version 6.5 and earlier)
- **PT-G7728 Series** (firmware version 6.4 and earlier)
- **PT-G7828 Series** (firmware version 6.4 and earlier)

## RECOMMENDATIONS:

The UAE Cyber Security Council recommends upgrading to the latest firmware versions or applying the patches released by Moxa.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

## REFERENCES:

- <https://www.moxa.com/en/support/product-support/security-advisory/mpsa-240162-cve-2024-7695-out-of-bounds-write-vulnerability-identified-in-multiple-pt-switches>