



مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**High-Severity Vulnerability in Siemens SiPass Integrated**

Tracking #:432317323

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## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-severity vulnerability in the Siemens SiPass Integrated physical access control system that could be exploited to cause a denial-of-service (DoS) attack, potentially disrupting access control operations and compromising physical security.

## TECHNICAL DETAILS:

Siemens has published a security advisory addressing a **critical out-of-bounds read vulnerability** in its **SiPass integrated** physical access control system. The flaw, **CVE-2022-31812**, affects all versions of SiPass integrated prior to **V2.95.3.18**.

Unauthenticated, remote attackers could exploit this flaw to **trigger a denial of service (DoS)**, potentially disrupting access control operations and compromising physical security.

### Vulnerability Details:

- **CVE-2022-31812**
- CVSS v4.0 Base Score 8.7 (High)
- The vulnerability originates from improper handling of integrity checks for incoming network packets. Specifically, the affected software attempts to **read beyond the allocated buffer**, resulting in an out-of-bounds memory access.
- **Impact**
  - No authentication or user interaction is required.
  - Exploitation may cause the application to **crash**, leading to **service unavailability**.
  - This issue may disrupt building entry systems, alarms, or other physical security operations relying on SiPass.

### Fixed Versions:

- SiPass integrated V2.95.3.18

## RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by Siemens.

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://cert-portal.siemens.com/productcert/html/ssa-041082.html>