



# CVE-2016-5799

- MITRE
- NVD
- CVE.ORG
- JSON API
- Print: PDF

## Summary

|                 |                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CVE             | CVE-2016-5799                                                                                                                                                                                                                                                                             |
| State           | PUBLISHED                                                                                                                                                                                                                                                                                 |
| Assigner        | icscert                                                                                                                                                                                                                                                                                   |
| Source Priority | CVE Program / NVD first with legacy fallback                                                                                                                                                                                                                                              |
| Published       | 2016-08-24 02:00:24 UTC                                                                                                                                                                                                                                                                   |
| Updated         | 2026-05-06 22:30:45 UTC                                                                                                                                                                                                                                                                   |
| Description     | Moxa OnCell G3100V2 devices before 2.8 and G3111, G3151, G3211, and G3251 devices before 1.7 do not properly restrict access to the serial console, which could allow an attacker to gain access to the device's command line interface (CLI) and potentially execute arbitrary commands. |

## Risk And Classification

**Primary CVSS:** v3.0 9.8 CRITICAL from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

**EPSS:** 0.008960000 probability, percentile 0.756940000 (date 2026-05-06)

**Problem Types:** CWE-285 | n/a

| Version | Source       | Type    | Score | Severity | Vector                                       |
|---------|--------------|---------|-------|----------|----------------------------------------------|
| 3.0     | nvd@nist.gov | Primary | 9.8   | CRITICAL | CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H |
| 2.0     | nvd@nist.gov | Primary | 10    |          | AV:N/AC:L/Au:N/C:C/I:C/A:C                   |

## CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

High

Availability

High

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:N/AC:L/Au:N/C:C/I:C/A:C

NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor | Product                 | Version | Update | Edition | Language |
|------------------|--------|-------------------------|---------|--------|---------|----------|
| Operating System | Moxa   | Oncell G3001 Firmware   | All     | All    | All     | All      |
| Hardware         | Moxa   | Oncell G3100v2          | -       | All    | All     | All      |
| Operating System | Moxa   | Oncell G3100v2 Firmware | All     | All    | All     | All      |
| Hardware         | Moxa   | Oncell G3111            | -       | All    | All     | All      |
| Hardware         | Moxa   | Oncell G3151            | -       | All    | All     | All      |
| Hardware         | Moxa   | Oncell G3211            | -       | All    | All     | All      |
| Hardware         | Moxa   | Oncell G3251            | -       | All    | All     | All      |

Vendor Declared Affected Products

| Source | Vendor | Product | Version      | Platforms     |
|--------|--------|---------|--------------|---------------|
| CNA    | Na     | N/a     | affected n/a | Not specified |

References

| Reference                                                                 | Source                               | Link                              |
|---------------------------------------------------------------------------|--------------------------------------|-----------------------------------|
| Moxa OnCell CVE-2016-5799 Unspecified Authentication Bypass Vulnerability | af854a3a-2127-422b-91ae-364da2661108 | <a href="#">www.securityfo</a>    |
| Moxa OnCell Vulnerabilities (Update A)   ICS-CERT                         | af854a3a-2127-422b-91ae-364da2661108 | <a href="#">ics-cert.us-cert.</a> |
| CVE Program record                                                        | CVE.ORG                              | <a href="#">www.cve.org</a>       |

|                                                                      |         |              |
|----------------------------------------------------------------------|---------|--------------|
| CVE Program Home                                                     | CVE.org | www.cve.org  |
| NVD vulnerability detail                                             | NVD     | nvd.nist.gov |
| <div> <div></div> <div></div> </div>                                 |         |              |
| No vendor comments have been submitted for this CVE.                 |         |              |
| There are currently no legacy QID mappings associated with this CVE. |         |              |

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