



# CVE-2019-18238

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## CVE-2019-18238

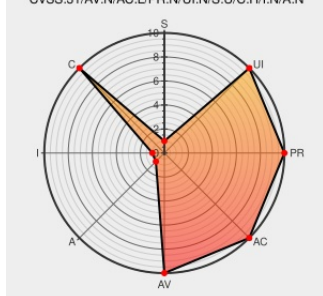
Source: Mitre

Source: NIST

CVE.ORG

Print: PDF

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N



Certain versions of **iologik 2512** from **Moxa** contain the following vulnerability:

In Moxa ioLogik 2500 series firmware, Version 3.0 or lower, and IOxpress configuration utility, Version 2.3.0 or lower, sensitive information is stored in configuration files without encryption, which may allow an attacker to access an administrative account.

CVE-2019-18238 has been assigned by ics-cert@hq.dhs.gov to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>NONE</b>         | <b>NONE</b>         |

CVSS2 Score: **5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>NONE</b>       | <b>NONE</b>         |

## CVE References

| Description                                                                                  | Tags                                                                                                                                           | Link                                                               |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Moxa ioLogik 2542-HSPA Series Controllers and IOs, and IOxpress Configuration Utility   CISA | <a href="#">Third Party Advisory</a><br><a href="#">US Government Resource</a><br><a href="#">www.us-cert.gov</a><br><a href="#">text/html</a> | <a href="#">MISC www.us-cert.gov/ics/advisories/icsa-20-056-02</a> |

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

| Type                                                                                                                                                                             | Vendor               | Product                                        | Version | Update | Edition | Language |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|---------|--------|---------|----------|
| Hardware       | <a href="#">Moxa</a> | <a href="#">Iologik 2512</a>                   | -       | All    | All     | All      |
| Hardware       | <a href="#">Moxa</a> | <a href="#">Iologik 2512</a>                   | -       | All    | All     | All      |
| Hardware       | <a href="#">Moxa</a> | <a href="#">Iologik 2512-hspa</a>              | -       | All    | All     | All      |
| Hardware       | <a href="#">Moxa</a> | <a href="#">Iologik 2512-hspa</a>              | -       | All    | All     | All      |
| Hardware       | <a href="#">Moxa</a> | <a href="#">Iologik 2512-hspa-t</a>            | -       | All    | All     | All      |
| Hardware       | <a href="#">Moxa</a> | <a href="#">Iologik 2512-hspa-t</a>            | -       | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-hspa-t Firmware</a>   | All     | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-hspa Firmware</a>     | All     | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-t</a>                 | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-t</a>                 | -       | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-t Firmware</a>        | All     | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-eu</a>            | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-eu</a>            | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-eu-t</a>          | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-eu-t</a>          | -       | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-eu-t Firmware</a> | All     | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-eu Firmware</a>   | All     | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp</a>            | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp</a>            | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp-t</a>          | -       | All    | All     | All      |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp-t</a>          | -       | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp-t Firmware</a> | All     | All    | All     | All      |
| Operating System                                                                                                                                                                 | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp Firmware</a>   | All     | All    | All     | All      |

|                                                                                              |                      |                                                |     |     |     |     |
|----------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|-----|-----|-----|-----|
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-jp Firmware</a>   | All | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-us</a>            | -   | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-us</a>            | -   | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-us-t</a>          | -   | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-us-t</a>          | -   | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-us-t Firmware</a> | All | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2512-wl1-us Firmware</a>   | All | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2512 Firmware</a>          | All | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2542</a>                   | -   | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2542</a>                   | -   | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2542-hspa</a>              | -   | All | All | All |
| Hardware    | <a href="#">Moxa</a> | <a href="#">Iologik 2542-hspa</a>              | -   | All | All | All |
| Hardware   | <a href="#">Moxa</a> | <a href="#">Iologik 2542-hspa-t</a>            | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-hspa-t</a>            | -   | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2542-hspa-t Firmware</a>   | All | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2542-hspa Firmware</a>     | All | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-t</a>                 | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-t</a>                 | -   | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2542-t Firmware</a>        | All | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-eu</a>            | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-eu</a>            | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-eu-t</a>          | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-eu-t</a>          | -   | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-eu-t Firmware</a> | All | All | All | All |
| Operating System                                                                             | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-eu Firmware</a>   | All | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-jp</a>            | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-jp</a>            | -   | All | All | All |
| Hardware  | <a href="#">Moxa</a> | <a href="#">Iologik 2542-wl1-jp-t</a>          | -   | All | All | All |
|                                                                                              |                      |                                                |     |     |     |     |

|                                                          |  |      |                                |     |     |     |     |
|----------------------------------------------------------|--|------|--------------------------------|-----|-----|-----|-----|
| Hardware                                                 |  | Moxa | Iologik 2542-wl1-jp-t          | -   | All | All | All |
| Operating System                                         |  | Moxa | Iologik 2542-wl1-jp-t Firmware | All | All | All | All |
| Operating System                                         |  | Moxa | Iologik 2542-wl1-jp Firmware   | All | All | All | All |
| Hardware                                                 |  | Moxa | Iologik 2542-wl1-us            | -   | All | All | All |
| Hardware                                                 |  | Moxa | Iologik 2542-wl1-us            | -   | All | All | All |
| Hardware                                                 |  | Moxa | Iologik 2542-wl1-us-t          | -   | All | All | All |
| Hardware                                                 |  | Moxa | Iologik 2542-wl1-us-t          | -   | All | All | All |
| Operating System                                         |  | Moxa | Iologik 2542-wl1-us-t Firmware | All | All | All | All |
| Operating System                                         |  | Moxa | Iologik 2542-wl1-us Firmware   | All | All | All | All |
| Operating System                                         |  | Moxa | Iologik 2542 Firmware          | All | All | All | All |
| cpe:2.3:h:moxa:iologik_2512:-:*:*:*:*:*:                 |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512:-:*:*:*:*:*:                 |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-hspa:-:*:*:*:*:*:            |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-hspa:-:*:*:*:*::~:           |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-hspa-t:-:*:*:*:*:*:          |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-hspa-t:-:*:*:*:*::~:         |  |      |                                |     |     |     |     |
| cpe:2.3:o:moxa:iologik_2512-hspa-t_firmware:*:*:*:*:*:   |  |      |                                |     |     |     |     |
| cpe:2.3:o:moxa:iologik_2512-hspa_firmware:*:*:*:*:*:     |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-t:-:*:*:*:*:*:               |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-t:-:*:*:*:*::~:              |  |      |                                |     |     |     |     |
| cpe:2.3:o:moxa:iologik_2512-t_firmware:*:*:*:*:*:        |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-wl1-eu:-:*:*:*:*::~:         |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-wl1-eu:-:*:*:*:*:::          |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-wl1-eu-t:-:*:*:*:*::~:       |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-wl1-eu-t:-:*:*:*:*:::        |  |      |                                |     |     |     |     |
| cpe:2.3:o:moxa:iologik_2512-wl1-eu-t_firmware:*:*:*:*:*: |  |      |                                |     |     |     |     |
| cpe:2.3:o:moxa:iologik_2512-wl1-eu_firmware:*:*:*:*:*:   |  |      |                                |     |     |     |     |
| cpe:2.3:h:moxa:iologik_2512-wl1-jp:-:*:*:*:*:::          |  |      |                                |     |     |     |     |

cpe:2.3:h:moxa:iologik\_2512-wl1-jp:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2512-wl1-jp-t:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2512-wl1-jp-t:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:o:moxa:iologik\_2512-wl1-jp-t\_firmware:\*:\*:\*:\*:\*:\*:

cpe:2.3:o:moxa:iologik\_2512-wl1-jp\_firmware:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2512-wl1-us:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2512-wl1-us:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2512-wl1-us-t:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2512-wl1-us-t:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:o:moxa:iologik\_2512-wl1-us-t\_firmware:\*.:\*:\*:\*:\*:\*:

```
cpe:2.3:o:moxa:iologik_2512-wl1-us_firmware:*.:*:*:*:*:*:
```

```
cpe:2.3:o:moxa:iologik_2512_firmware:*:*:*:*:*:*
```

cpe:2.3:h:moxa:iologik\_2542:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-hspa:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-hspa:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-hspa-t-:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-hspa-t:-:\*:\*:\*:\*:\*:

cpe:2.3:o:moxa:iologik\_2542-hspa-t\_firmware:\*:\*:\*:\*:\*:\*:

```
cpe:2.3:o:moxa:iologik_2542-hspa_firmware:*:*:*:*:*.*
```

cpe:2.3:h:moxa:iologik\_2542-t:-:\*:\*:\*:\*:\*:

```
cpe:2.3:h:moxa:iologik_2542-t:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:moxa:iologik 2542-t firmware:*:*:*:*:*:*:*
```

cpe:2.3:h:moxa:iologik\_2542-wl1-eu:-:\*~::~:

cpe:2.3:h:moxa:iologik\_2542-wl1-eu:-:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-wl1-eu-t:-:\*~::~:

cpe:2.3:h:moxa:iologik:2542-wl1-eu-t:-:\*:\*:\*:\*:\*:\*:\*:

```
cpe:2.3:o:moxa:iologik 2542-wl1-eu-t firmware:*.***.***.***.
```

cpe:2.3:o:moxa:iologik\_2542-wl1-eu\_firmware:\*.:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-wl1-jp:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-wl1-jp:-:\*:\*:\*:\*:\*:\*

cpe:2.3:h:moxa:iologik\_2542-wl1-jp-t:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:moxa:iologik\_2542-wl1-jp-t:-:\*:\*:\*:\*:\*:\*:

```
cpe:2.3:o:moxa:iologik_2542-wl1-jp-t_firmware:*.*.*.*.*.*.*.*
```

cpe:2.3:o:moxa:iologik\_2542-wl1-jp\_firmware:\*.\*.\*.\*.\*.\*.\*.\*

```
cpe:2.3:h:moxa:iologik_2542-wl1-us:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:moxa:iologik_2542-wl1-us:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:moxa:iologik_2542-wl1-us-t:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:moxa:iologik_2542-wl1-us-t:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:moxa:iologik_2542-wl1-us-t_firmware:*.*.*.*.*.*.*.*
```

```
cpe:2.3:o:moxa:iologik_2542-wl1-us_firmware:*.:*:*:*:*:*:
```

```
cpe:2.3:o:moxa:iologik_2542_firmware:*.:*:*:*:*:*:*:
```

No vendor comments have been submitted for this CVE

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