



CVE-2018-7758

Published on: 04/18/2018 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:24:37 PM UTC

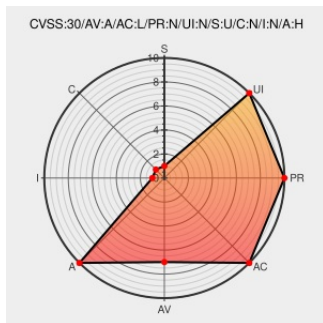
CVE-2018-7758

[Source: Mitre](#)

[Source: NIST](#)

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Certain versions of [Micom P141](#) from [Schneider-electric](#) contain the following vulnerability:

A denial of service vulnerability exists in Schneider Electric's MiCOM Px4x (P540 range excluded) with legacy Ethernet board, MiCOM P540D Range with Legacy Ethernet Board, and MiCOM Px4x Rejuvenated could lose network communication in case of TCP/IP open requests on port 20000 (DNP3oE) if an older TCI/IP session is still open with identical IP address and port number.

CVE-2018-7758 has been assigned by [cybersecurity@schneider-electric.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [Schneider Electric SE](#) - **MiCOM P540D Range with Legacy Ethernet Board** version **MiCOM P540D Range with Legacy Ethernet Board**, **MiCOM Px4x with Legacy Ethernet Board**, **MiCOM Px4x Rejuvenated**

CVSS3 Score: **6.5 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
ADJACENT_NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **3.3 - LOW**

Access Vector	Access Complexity	Authentication
ADJACENT_NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Security Notification - MiCOM P540D Range with Legacy Ethernet Board Schneider Electric	Vendor Advisory www.schneider-electric.com text/html	CONFIRM www.schneider-electric.com/en/download/document/SEVD-2018-074-02/
Security Notification - MiCOM Px4x range with legacy Ethernet Board Schneider Electric	Vendor Advisory www.schneider-electric.com text/html	CONFIRM www.schneider-electric.com/en/download/document/SEVD-2018-074-03/
Security Notification - MiCOM Px4x Rejuvenated Schneider Electric	Vendor Advisory www.schneider-electric.com text/html	CONFIRM www.schneider-electric.com/en/download/document/SEVD-2018-074-04/

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Related QID Numbers

[590936](#) Schneider Electric MiCOM Px4x with Legacy Ethernet board Vulnerability (SEVD-2018-074-03)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Schneider-electric	Micom P141	-	All	All	All
Hardware 	Schneider-electric	Micom P141	-	All	All	All
Operating System	Schneider-electric	Micom P141 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P141 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P142	-	All	All	All
Hardware 	Schneider-electric	Micom P142	-	All	All	All
Operating System	Schneider-electric	Micom P142 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P142 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P143	-	All	All	All
Hardware 	Schneider-electric	Micom P143	-	All	All	All
Operating System	Schneider-electric	Micom P143 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P143 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P145	-	All	All	All
Hardware 	Schneider-electric	Micom P145	-	All	All	All
Operating System	Schneider-electric	Micom P145 Firmware	-	All	All	All

System						
Operating System	Schneider-electric	Micom P145 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P441	-	All	All	All
Hardware 	Schneider-electric	Micom P441	-	All	All	All
Operating System	Schneider-electric	Micom P441 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P441 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P442	-	All	All	All
Hardware 	Schneider-electric	Micom P442	-	All	All	All
Operating System	Schneider-electric	Micom P442 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P442 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P443	-	All	All	All
Hardware 	Schneider-electric	Micom P443	-	All	All	All
Operating System	Schneider-electric	Micom P443 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P443 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P444	-	All	All	All
Hardware 	Schneider-electric	Micom P444	-	All	All	All
Operating System	Schneider-electric	Micom P444 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P444 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P445	-	All	All	All
Hardware 	Schneider-electric	Micom P445	-	All	All	All
Operating System	Schneider-electric	Micom P445 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P445 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P446	-	All	All	All
Hardware 	Schneider-electric	Micom P446	-	All	All	All
Operating System	Schneider-electric	Micom P446 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P446 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P541	-	All	All	All

Hardware  	Schneider-electric	Micom P541	-	All	All	All
Operating System	Schneider-electric	Micom P541 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P541 Firmware	-	All	All	All
Hardware  	Schneider-electric	Micom P542	-	All	All	All
Hardware  	Schneider-electric	Micom P542	-	All	All	All
Operating System	Schneider-electric	Micom P542 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P542 Firmware	-	All	All	All
Hardware  	Schneider-electric	Micom P543	-	All	All	All
Hardware  	Schneider-electric	Micom P543	-	All	All	All
Operating System	Schneider-electric	Micom P543 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P543 Firmware	-	All	All	All
Hardware  	Schneider-electric	Micom P544	-	All	All	All
Hardware  	Schneider-electric	Micom P544	-	All	All	All
Operating System	Schneider-electric	Micom P544 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P544 Firmware	-	All	All	All
Hardware  	Schneider-electric	Micom P545	-	All	All	All
Hardware  	Schneider-electric	Micom P545	-	All	All	All
Operating System	Schneider-electric	Micom P545 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P545 Firmware	-	All	All	All
Hardware  	Schneider-electric	Micom P546	-	All	All	All
Hardware  	Schneider-electric	Micom P546	-	All	All	All
Operating System	Schneider-electric	Micom P546 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P546 Firmware	-	All	All	All
Hardware  	Schneider-electric	Micom P642	-	All	All	All
Hardware  	Schneider-electric	Micom P642	-	All	All	All
Operating System	Schneider-electric	Micom P642 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P642 Firmware	-	All	All	All

System						
Hardware 	Schneider-electric	Micom P643	-	All	All	All
Hardware 	Schneider-electric	Micom P643	-	All	All	All
Operating System	Schneider-electric	Micom P643 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P643 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P645	-	All	All	All
Hardware 	Schneider-electric	Micom P645	-	All	All	All
Operating System	Schneider-electric	Micom P645 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P645 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P746	-	All	All	All
Hardware 	Schneider-electric	Micom P746	-	All	All	All
Operating System	Schneider-electric	Micom P746 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P746 Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P841a	-	All	All	All
Hardware 	Schneider-electric	Micom P841a	-	All	All	All
Operating System	Schneider-electric	Micom P841a Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P841a Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P841b	-	All	All	All
Hardware 	Schneider-electric	Micom P841b	-	All	All	All
Operating System	Schneider-electric	Micom P841b Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P841b Firmware	-	All	All	All
Hardware 	Schneider-electric	Micom P849	-	All	All	All
Hardware 	Schneider-electric	Micom P849	-	All	All	All
Operating System	Schneider-electric	Micom P849 Firmware	-	All	All	All
Operating System	Schneider-electric	Micom P849 Firmware	-	All	All	All
cpe:2.3:h:schneider-electric:micom_p141:-:*****:						
cpe:2.3:h:schneider-electric:micom_p141:-:*****:						

```
cpe:2.3:o:schneider-electric:micom_p141_firmware:-:*:*:*:*:*:
```

cpe:2.3:o:schneider-electric:micom_p141_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p142:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p142:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p142_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p142_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p143:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p143:-:*:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom p143 firmware:-.*:.*:.*:.*:.*:.*
```

cpe:2.3:o:schneider-electric:micom_p143_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p145:-.*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p145:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom p145 firmware:-.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:o:schneider-electric:micom p145 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:schneider-electric:micom p441:-:*:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom_p441:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p441_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom p441 firmware:-.*:.*:.*:.*:.*:.*
```

cpe:2.3:h:schneider-electric:micom_p442:-.*:.*:.*:.*:.*:.*

cpe:2.3:h:schneider-electric:micom_p442:-.*:.*:.*:.*:.*:.*

cpe:2.3:o:schneider-electric:micom_p442_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p442_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom p443:-:::*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p443:-:*:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p443_firmware:::*:*:*:*:*
```

```
cpe:2.3:o:schneider-electric:micom_p443_firmware:::*:*:*:*:*
```

cpe:2.3:h:schneider-electric:micom_p444:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p444:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p444_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p444_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p445:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p445:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p445_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p445_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p446:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p446:-:*:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p446_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:schneider-electric:micom_p446_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom_p541:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p541:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p541_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p541_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p542:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p542:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p542_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p542_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p543:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p543:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p543_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p543_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p544:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p544:-:*:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p544_firmware:-:*:*:*:*:*:
```

cpe:2.3:o:schneider-electric:micom_p544_firmware:-:*:*:*:*:*:

```
cpe:2.3:h:schneider-electric:micom_p545:-:*:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom_p545:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p545_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p545_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom_p546:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p546:-:*:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p546_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p546_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom_p642:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p642:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p642_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p642_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:schneider-electric:micom_p643:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p643:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p643_firmware:-:*.***.***.***.

cpe:2.3:o:schneider-electric:micom_p643_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p645:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p645:-:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom_p645_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:schneider-electric:micom_p645_firmware:-:*:*:*:*.*
```

cpe:2.3:h:schneider-electric:micom_p746:-:*:*:*:*:*:*

cpe:2.3:h:schneider-electric:micom p746:-.*:.*:.*:.*:.*:.*:.*

cpe:2.3:o:schneider-electric:micom_p746_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p746_firmware:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p841a:-:*:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom p841a:-:*:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom p841a firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:schneider-electric:micom p841a firmware:-:*:*:*:*:*.*
```

cpe:2.3:h:schneider-electric:micom_p841b:-:*:*:*:*:*:

cpe:2.3:h:schneider-electric:micom_p841b:-:*:*:*:*:*:*:

```
cpe:2.3:o:schneider-electric:micom p841b firmware:-:*:*:*:*:*:
```


cpe:2.3:o:schneider-electric:micom_p841b_firmware:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p841b_firmware:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p841b_firmware:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p841b_firmware:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:

cpe:2.3:o:schneider-electric:micom_p841b_firmware:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:h:schneider-electric:micom_p849:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:
cpe:2.3:o:schneider-electric:micom_p849_firmware:-:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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