

## **SSA-131263: SMBv1 Vulnerabilities in Mobilett Mira Max from Siemens Healthineers**

Publication Date 2017-08-07  
Last Update 2017-08-07  
Current Version V1.0  
CVSS v3.0 Base Score 9.8

### **SUMMARY**

Mobilett Mira Max from Siemens Healthineers is affected by the Microsoft Windows SMBv1 vulnerabilities. The exploitability of the vulnerabilities depends on the actual configuration and deployment environment of each product.

Siemens Healthineers provides software updates for the affected products and recommends specific countermeasures until these software updates can be applied.

### **AFFECTED PRODUCTS**

- Mobilett Mira Max: All versions before VE10S without XP009/17/S

### **DESCRIPTION**

Siemens Healthineers Radiography, Mobile X-ray and Mammography systems are used in clinical environments for medical imaging using X-ray.

Detailed information about the vulnerabilities is provided below.

### **VULNERABILITY CLASSIFICATION**

The vulnerability classification has been performed by using the CVSS scoring system in version 3.0 (CVSS v3.0) (<http://www.first.org/cvss/>). The CVSS environmental score is specific to the customer's environment and will impact the overall CVSS score. The environmental score should therefore be individually assessed by the customer to accomplish final scoring.

#### **Vulnerability 1 (CVE-2017-0143)**

An unauthenticated remote attacker could execute arbitrary code via specially crafted requests sent to the SMBv1 server of affected Microsoft Windows systems.

CVSS Base Score 9.8

CVSS Vector CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H/E:H/RL:O/RC:C

#### **Vulnerability 2 (CVE-2017-0144)**

An unauthenticated remote attacker could execute arbitrary code via specially crafted requests sent to the SMBv1 server of affected Microsoft Windows systems.

CVSS Base Score 9.8

CVSS Vector CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H/E:H/RL:O/RC:C

#### **Vulnerability 3 (CVE-2017-0145)**

An unauthenticated remote attacker could execute arbitrary code via specially crafted requests sent to the SMBv1 server of affected Microsoft Windows systems.

CVSS Base Score 9.8

CVSS Vector CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H/E:H/RL:O/RC:C

#### **Vulnerability 4 (CVE-2017-0146)**

An unauthenticated remote attacker could execute arbitrary code via specially crafted requests sent to the SMBv1 server of affected Microsoft Windows systems.

CVSS Base Score 9.8  
CVSS Vector CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H/E:H/RL:O/RC:C

Vulnerability 5 (CVE-2017-0147)

An authenticated remote attacker could potentially disclose information from the server by sending specially crafted packets to the SMBv1 server of affected Microsoft Windows systems.

CVSS Base Score 5.3  
CVSS Vector CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N/E:H/RL:O/RC:C

Vulnerability 6 (CVE-2017-0148)

An unauthenticated remote attacker could execute arbitrary code via specially crafted requests sent to the SMBv1 server of affected Microsoft Windows systems.

CVSS Base Score 9.8  
CVSS Vector CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H/E:H/RL:O/RC:C

**SOLUTION**

Siemens Healthineers provides software update XP009/17/S for supported versions of Mobilett Mira Max before VE10S.

The update will be automatically available for customers with remote support. If no remote support is available or for questions regarding the update procedure, please contact customer service.

Until patches are available and for end-of-support products, Siemens Healthineers recommends isolating the affected products that are listening on network ports 139/tcp, 445/tcp or 3389/tcp from any infected system within its respective network segment (e.g. by firewall blocking access to above network ports.)

If the above cannot be implemented, we recommend the following:

- If patient safety and treatment is not at risk, disconnect the uninfected product from the network and use in standalone mode.
- Reconnect the product only after the provided patch or remediation is installed on the system. Siemens Healthineers is able to patch systems capable of Remote Update Handling (RUH) much faster by remote software distribution compared to onsite visits. Therefore customers of RUH capable equipment are recommended to clarify the situation concerning patch availability and remaining risk in the local customer network with the Siemens Customer Care Center first and then to re-connect their systems in order to receive patches as fast as possible via Remote Update Handling. This ensures smooth and fast receipt of updates and therefore supports re-establishment of system operations.

In addition, Siemens Healthineers recommends:

- Ensure you have appropriate backups and system restoration procedures.
- For specific patch and remediation guidance information contact your local Siemens Healthineers Customer Service Engineer, portal or our Regional Support Center.

**ADDITIONAL RESOURCES**

[1] Customer Information on WannaCry Malware for Siemens Healthineers Imaging and Diagnostics Products is available here:

[https://www.siemens.com/cert/pool/cert/siemens\\_security\\_bulletin\\_ssb-412479.pdf](https://www.siemens.com/cert/pool/cert/siemens_security_bulletin_ssb-412479.pdf)

[2] For further inquiries on vulnerabilities in Siemens products and solutions, please contact the Siemens ProductCERT:

<https://www.siemens.com/cert/advisories>

**HISTORY DATA**

V1.0 (2017-08-07): Publication Date

**DISCLAIMER**

See: [https://www.siemens.com/terms\\_of\\_use](https://www.siemens.com/terms_of_use)