

Mini Bulletin XRX16AE

Phaser 7800

SPAR Release 081.150.106.28600

Release Date: Nov 2, 2016



Purpose

This Bulletin is intended **ONLY** for the specific security problems identified below. The problems identified has been rated a criticality level of **IMPORTANT**. This release includes OpenSSL 1.0.2h.

This SPAR release includes fixes for:

- Removal of support for medium strength cipher suites in favor of strong strength cipher suites.
- Mitigations for CVEs in multiple components that could result in DoS attacks (CVE-2014-9655, CVE-2015-1547, CVE-2015-3194, CVE- 2015-8781, CVE-2015-8782, CVE-2015-8783, CVE-2015-8784, CVE-2016-0705, CVE-2016-0797, CVE-2016-0798, CVE-2016-0799, CVE-2016-2842, CVE-2016-3141, CVE-2016-3142).
- “CacheBleed” vulnerability (CVE-2016-0702), a side-channel attack that exploits information leaks through cache-bank conflicts in Intel processors.
- Diffie-Hellman handshake error (CVE-2016-0787) where the diffie_hellman_sha256 function in kex.c in libssh2 improperly truncates secrets to 128 or 256 bits, which makes it easier for man-in-the-middle attackers to decrypt or intercept SSH sessions.

Software Release Details

If your software is higher or equal to the versions listed below no action is needed.

Otherwise, please review this bulletin and consider installation of this version.

Model	Phaser 6700
Firmware version	081.150.106.28600
Link to update	Available here

Save the file to a convenient location on your workstation. Unzip the file if necessary.

Installation instructions:

Do not interrupt system once download is in process. Interruptions or loss of power may corrupt the engine firmware and render the system temporary unusable. (Service repair may be required to return the system to a working condition.)

Some of the device's settings may be changed from their present value back to the factory default values by the firmware update. It is recommended customers save the configuration page and use it as a reference to restore the device's settings after the firmware update is complete.

Updating the Software over a Network Connection:

To download a file to the device using CentreWare Internet Services (Windows and Mac):

NOTE: CWIS can only be accessed if the device is connected to a network that utilizes the TCP/IP protocol. The device must also contain a valid IP Address.

1. From a computer, open an Internet web browser.
2. Enter the Phaser device's IP Address in the Address field, and then press Enter.
3. Click on the Properties tab. You may be prompted to login. Default account = 'admin', password = '1111'.
4. Click General Setup | Machine Software | Upgrades in the list of options on the left side of the window and verify that Enabled is checked. If it is not, check it and click on the Apply button.
5. Click Manual Upgrades in the list of options on the left side of the window.
6. Depending on the browser being used, click the Browse button, and then browse to and select the Phaser_7800_system-sw#08115010628600#.DLM file.
7. Click the Install Software button to send the file to the device.

The browser will display a dialog once the file has been transferred to the device. A progress indicator is displayed on the front panel. Upon completion, the device will reboot.