

# Mini Bulletin XRX16AB

## Phaser 7800

### R16-04 SPAR Release

#### 081.150.106.25300

Release Date: Sep 27, 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 1.0.2f.

This SPAR release includes fixes for:

- Peter Weidenbach and Raphael Ernst of Fraunhofer FKIE have identified weakness in cloning and software upgrade procedures. These have been remediated.
- "SSL Certificate Signed Using Weak Hashing Algorithm" defect found by Nessus scan. Certificate hashing has been upgraded to include SHA256.
- CVE-2015-2808 Bar Mitzvah. The RC4 algorithm, as used in the TLS protocol and SSL protocol, does not properly combine state data with key data during the initialization phase, which makes it easier for remote attackers to conduct plaintext-recovery attacks against the initial bytes of a stream by sniffing network traffic that occasionally relies on keys affected by the Invariance Weakness, and then using a brute-force approach involving LSB values. RC4 has been disabled in this release.
- CRIME Vulnerability (CVE-2012-4929 and CVE-2012-4930) where TLS can perform encryption of compressed data without properly obfuscating the length of the unencrypted data, which allows man-in-the-middle attackers to obtain plaintext HTTP headers.

## 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 7800
Firmware version	081.150.106.25300
Link to update	<a href="#">Available here</a>

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#081150106.25300#.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.