How to Update 1280 Series Firmware

IMPORTANT! Before upgrading 1280 v2.0 firmware, erase the option card firmware for the A/D Scale Card and the Analog Input Card. Unless this step is followed the option card cannot be upgraded from 1280 v2.0 firmware.

Firmware steps cannot be skipped. Updating needs to follow the progression as shown.

How to determine your 1280 Firmware version
Entering configuration mode, the firmware version is displayed on bottom of 1280 screen.

How to download the 1280 Firmware:
www.ricelake.com/1280

Enter EDP command "DUMPVERSIONS" to see option card firmware versions (while in V1.11 or later).

OPTION CARD FIRMWARE TABLE
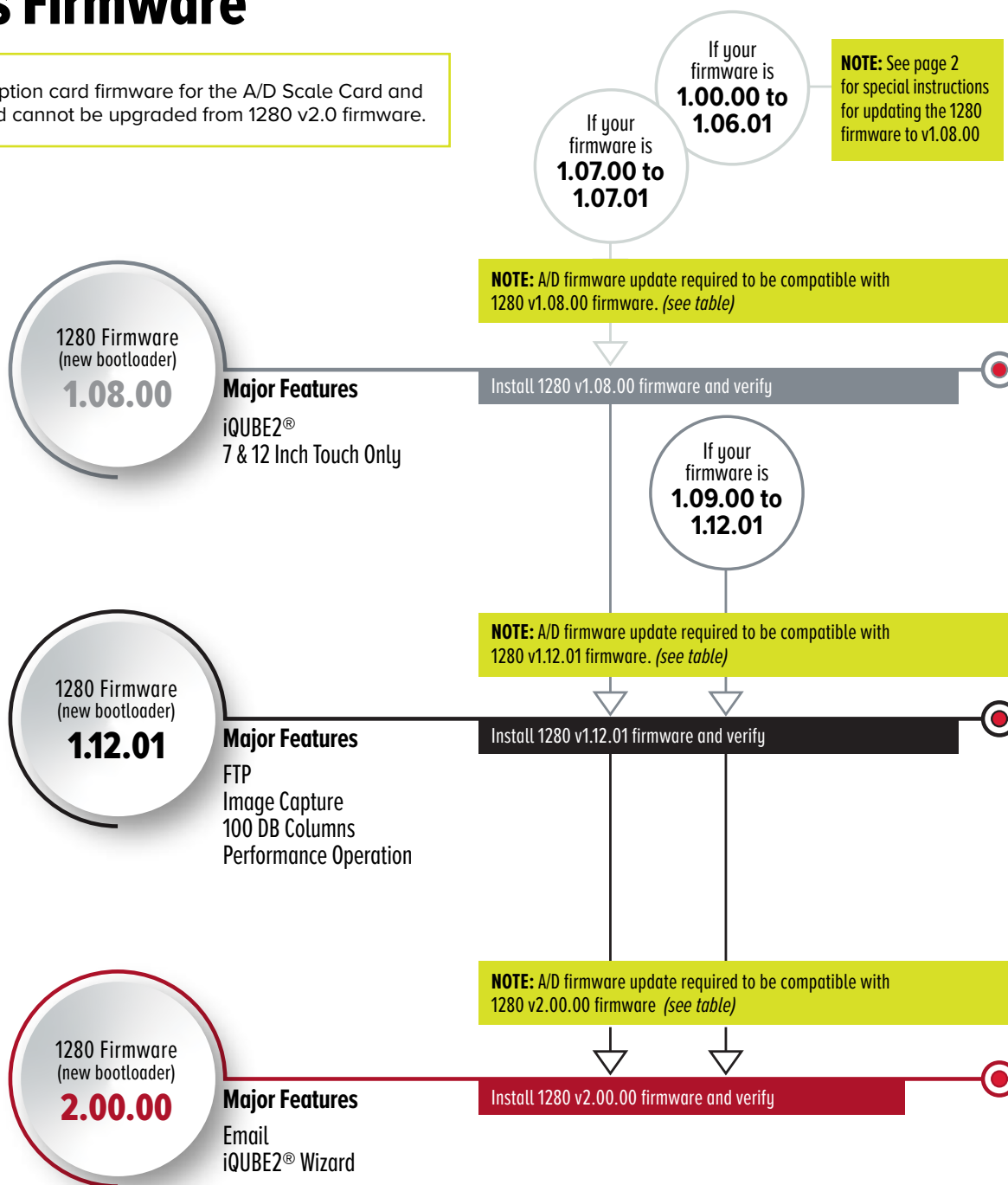
Option Cards	Released version	Oldest version that will work with 1280 V2.00	Action required
1280 A/D Scale Card	V1.08.04	V1.04	Erase card and reflash from 1280 firmware, or revert back to V1.12.01
1280 DIO Card	V2.01	V2.01	RMA required for upgrade, or revert back to V1.12.01
1280 Fieldbus Card	V2.02.01	Any (except V2.01)	RMA required for upgrade, or revert back to V1.12.01
1280 Serial Card	V2.01.02	V2.00.02	RMA required for upgrade, or revert back to V1.12.01
1280 Analog Output Card	V2.00.01	V1.02	RMA required for upgrade, or revert back to V1.12.01
1280 Analog Input Card	V1.03	V1.03	Erase card from 1280 and then reflash card from PC or revert back to V1.12.01
1280 Relay Card	V1.00	V1.00	

If replacing a CPU board, version 1.12.01 is include on USB memory stick for compatibility with older option card firmware.

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WEIGHING SYSTEMS

If your firmware is **1.00.00 to 1.06.01**

NOTE: See page 2 for special instructions for updating the 1280 firmware to v1.08.00

If your firmware is **1.07.00 to 1.07.01**

NOTE: A/D firmware update required to be compatible with 1280 v1.08.00 firmware. *(see table)*

1280 Firmware (new bootloader) **1.08.00**

Major Features
iQUBE2®
7 & 12 Inch Touch Only

Install 1280 v1.08.00 firmware and verify

If your firmware is **1.09.00 to 1.12.01**

NOTE: A/D firmware update required to be compatible with 1280 v1.12.01 firmware. *(see table)*

1280 Firmware (new bootloader) **1.12.01**

Major Features
FTP
Image Capture
100 DB Columns
Performance Operation

Install 1280 v1.12.01 firmware and verify

NOTE: A/D firmware update required to be compatible with 1280 v2.00.00 firmware *(see table)*

1280 Firmware (new bootloader) **2.00.00**

Major Features
Email
iQUBE2® Wizard

Install 1280 v2.00.00 firmware and verify

Updating the 1280 from 1.06.01 and Earlier to Version 1.08

If already at 1.07.00, Update to 1.08.00 using normal procedures

How to download the 1280 Firmware:
www.ricelake.com/1280

1. Download the 1280 firmware version 1.08 from Rice Lake's website.
2. Unzip/extract the downloaded file 1280version_1_08_00.zip. Once unzipped, you will notice the following zipped files:
   - **1280_Bootloader_2_00.zip**
   - **1280_Firmware_1_08.zip**

   NOTE: To install both the boot loader and firmware (required for 1280 systems version 1.06.01 and earlier), they must be done in the following order.

   - **1280_Bootloader_2_00.zip**
     This must be installed first, as it contains only the bootloader and other required low-level data.
   - **1280_Firmware_1_08.zip**
     The firmware contains added features for all 1280 systems. It requires information in the boot loader to already be installed.

Installing the Boot Loader

1. If you have not already done so, unzip the 1280_Bootloader_2_00.zip file and copy the directory to a USB flash drive.

   NOTE: Ensure the files are copied to the root of the flash drive.

2. Insert the flash drive into the 1280's USB port.
3. Complete the firmware update process as described in the manual.

   NOTE: If this process fails, check the update.log file in the update directory on the flash drive. If you need assistance, please contact Rice Lake's technical support at 800-472-6703 and make sure you have access to the update.log file to aid troubleshooting.

4. If the firmware update process was successful, the system will reboot. You can proceed to installing the firmware.

Installing the Firmware

1. If you installed the boot loader in the above section, make sure those files are removed from the USB flash drive before proceeding.
2. Unzip the 1280_Firmware_1_08.zip file and copy the directory to your flash drive.

   NOTE: Ensure the files are copied to the root of the flash drive.

3. Insert the flash drive into the 1280's USB port.
4. Complete the firmware update process as described in the manual (PN 167659).

   NOTE: If this process fails, check the update.log file in the update directory on the flash drive. If you need assistance, please contact Rice Lake's technical support at 800-472-6703 and make sure you have access to the update.log file to aid troubleshooting.

5. If the firmware update process was successful, the system will reboot.