Release Notes

Firmware Update BIOS 1.48, EC 1.28

For Mesa 3 Rugged Tablets Running the Windows 10 Operating System

These notes include important information for our Mesa 3 customers regarding the most recent release of the Windows 10 operating system firmware. We recommend all users perform this update.

Documentation and software updates are located on our website, https://www.junipersys.com/support. To update the firmware, select Mesa 3, then Downloads.

Update Warnings

- The EC/BIOS update must be performed before the OS 22292 update.
- Once you have updated the BIOS to version 1.48 and the EC to version 1.28, do not downgrade to older versions as it will lock up your device.
- Batteries that have been updated will not work in units with an older BIOS and EC.

Resolved Issues in BIOS 1.48 and EC 1.28

- Improves battery cell handling.
- Improves battery pack cell power balancing.
- Implements smart charging for optimal charge conditions.
- Introduces battery condition messaging.
- Changes to work with the new battery firmware.
- Added the ability to reprogram batteries to the new firmware.
- Added support to give more information about battery status to the OS.

Important Update Instructions

When you update the firmware, follow these instructions:

1. Plug external power into the Mesa 3.
2. Copy the update .exe to the device.
3. Remove USB media (SD cards are okay).
4. Save and close any files or programs.
5. Back up critical data (precaution).
6. Run the update .exe.
7. The update process might involve multiple reboots. For each reboot, the update app is automatically launched.

   Note: If you have a pin or password set up, you need to enter it after each reboot and wait 10–15 seconds to continue.
8. Follow the on-screen prompts.
9. It can take up to 20 minutes to update the firmware from an earlier version.
10. When the process is complete, launch Device Info to check the firmware version.
11. The update .exe and generated config file may be deleted from the device.

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