

2017/7/12

BIOS AP Inc
R&D

DVT10T2 Firmware Release Note

E20170712

Firmware Release Note

Release Note Date : 2017/07/14
Release Note No : BIOS E20170712
Applicable Products : DVT10T2 with ERIC10TB2 controller

Version : pek110b (changed from ped102b), filename: pek110b.7624 (checksum)

Level : Recommended (for new deployment)

Critical Note: The new firmware has a different architecture from older versions. The new version has file names as pekxxxx instead of pedxxxx. The transition from pedxxxx to pekxxxx requires an intermediate firmware upgrade before applying new pekxxxx firmware. The intermediate firmware name is [ped2pek.cod](#). Use ped2pek.cod on firmware upgrade first before 2nd upgrade to pekxxxx. **Due to architecture change, data integrity will be lost. If data inside the storage is important, please back it up before upgrade. DATA will be corrupted after firmware upgrade, and the disk LUN must be formatted as new after then.**

Contents of Change

- Increase cache memory DDR signal margin for better performance
- Modify data access size and 4K data burst process
- Modify default parameters: Sequential Times 16 →32
Write Back Max 4MB →2MB

Known Bug Fix:

USB and eSATA configured as two LUNs, not able to be detected at the same time

Known Limitation: None

New Features:

Performance increase about 30% for RAID 5 and 6.