

Advantech AE Technical Sharing Document

Date	2020/ 3 /19	Release Note	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	UEFI Win10
Abstract	Limitation_Samsung EVO series SSD including 750, 850 and 860 cannot boot in UEFI Win10 on BayTrail platform.		
Keyword	Win10, UEFI, Bay Trail.		
Related Product	Bay Trail platforms.		

■ Problem Description:

Samsung EVO series SSD including 750, 850 and 860 cannot boot in UEFI Win10 on BayTrail platform.

Here is one of the reported SSD.



The phenomenon is shown as system hangs at BIOS POST screen.

BIOS booted completed at 99 stage, but the SSD can't take control and boot into UEFI Win10.



■ **Brief Analysis and Solution :**

We recommend not installing UEFI Win10 with Samsung EVO SSD.

The compatibility is shown in table below.

Compatibility test for Samsung SSD EVO 860		
Model name	Win10 mode	OS bootable or not
UNO-2372G-J02XAE	UEFI Win10	X
UNO-2473G-J3AE		X
UNO-3272G		X
TPC-1X51T-J3BE (model supported by request)		X
TPC-1X51T(H)-E3BE		X
TPC-1X51T(H)-E3AE		X
TPC-1X51WP-E3AE		X
ARK-2230L		X
ARK-6322		X
ARK-2121F		X

Please refer to this table for suggested model of storages to avoid similar problem.

Brand Name	Model	Type	Advantech PN
Transcend	TS256ASTMM0000A	2.5"SATA SSD	96FD25-S256-TR7
LITEON	K8-L1512	2.5"SATA SSD	96FD25-S512-PLG2
Advantech	SQF-S25M4-64G-SBC	2.5"SATA SSD	SQF-S25M4-64G-SBC
Intel	SSDSC2KB038T7	2.5"SATA SSD	n/a
Advantech	SQF-S25M4-32G-S9C	2.5"SATA SSD	SQF-S25M4-32G-S9C
Transcend	TS64ASTMM0000A	2.5"SATA SSD	96FD25-S064-TR7

■ **Contact Window:**

If you need further information from headquarter, please contact ACL PAE team.