

Product Change Notice

PCN-K240303

Product Change Information:

ARK-3531 series BIOS version upgrade to support the installation of Windows 11 IoT Enterprise and also fix boot option disappear in BIOS issue after installing Windows 11 IoT Enterprise and Windows 10 IoT Enterprise 2021.

Affected Model:

ARK-3531 series and all T part numbers, except T part numbers with customized BIOS.

Current BIOS P/N	Replaced BIOS P/N
1420050544	1420059932

Current Version:

Model Name	BIOS version (P/N)	Status
ARK-3531 series	V1.11 (1420050544)	MP

Next Version:

Model Name	BIOS version	Status
ARK-3531 series	V01.13 (1420059932)	Cut in date: Mar. 26th, 2024

Description of Change:

BIOS is upgraded to add 1) "TPM Device Selection" for users to select dTPM/fTPM; 2) "Secure Boot" for users to select Disable/Enable. These are two items are required for Windows 11. Except adding the two items, this new version BIOS also fixes the "Boot Option" disappear in BIOS after installing Windows 11 IoT Enterprise and Windows 10 IoT Enterprise 2021, the issue found in CTOS after installing the mentioned OS.

This change is to better support the installation of Windows 11 IoT Enterprise and Windows 10 IoT Enterprise 2021 and make no impact to goods already shipped. The change will be implemented in production from Mar. 26th, 2024.

Ordering Information

No change.

Key information & milestones (ECOM/ LTB information)

ECOM number: ECOM-213286, ECOM-213287

Initiated By	Kylie Chen	Job Title	Product Manager	Release Date	Mar. 22 th , 2024
Approved by	Maxine Cho	Job Title	Senior Manager	Release Rev.	1.0

TPM Device Selection Option (default [TPM])

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Advanced		
ME Firmware Version	12.0.35.1427	Configure PTT
ME Firmware Mode	Normal Mode	
ME Firmware SKU	Consumer SKU	
ME Firmware Status 1	0x90000255	
ME Firmware Status 2	0x80100106	
ME State	[Enabled]	
▶ Firmware Update Configuration ▶ PTT Configuration		
		⇐⇐: Select Screen ⇐↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
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Aptio Setup Utility - Copyright (C) 2024 American Megatrends, Inc.		
Advanced		
PTT Capability / State	1 / 0	Selects TPM device: PTT or dTPM. PTT - Enables PTT in SkuMgr dTPM 1.2 - Disables PTT in SkuMgr Warning ! PTT/dTPM will be disabled and all data saved on it will be lost.
TPM Device Selection	[dTPM]	
		⇐⇐: Select Screen ⇐↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
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Secure Boot (default [Disable])

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Main Advanced Chipset Security Boot Save & Exit	
<p>Password Description</p> <p>If ONLY the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.</p> <p>If ONLY the User's password is set, then this is a power on password and must be entered to boot or enter Setup. In Setup the User will have Administrator rights.</p> <p>The password length must be in the following range:</p> <p>Minimum length 3</p> <p>Maximum length 20</p> <p>Administrator Password</p> <p>User Password</p> <p>► Secure Boot</p>	<p>Secure Boot configuration</p> <hr/> <p>↔: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</p>
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Aptio Setup Utility - Copyright (C) 2024 American Megatrends, Inc.	
Security	
<p>System Mode Setup</p> <p>Secure Boot [Disabled] Not Active</p> <p>Secure Boot Mode [Custom]</p> <p>► Restore Factory Keys</p> <p>► Reset To Setup Mode</p> <p>► Key Management</p>	<p>Secure Boot feature is Active if Secure Boot is Enabled, Platform Key(PK) is enrolled and the System is in User mode. The mode change requires platform reset</p> <hr/> <p>↔: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</p>
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