

Product Change Notification

Change Notification Number: [PCN-211201](#)

Change Purpose: [AIMB-276 re-vision for EOL part replacement](#)

Key Milestone:

Milestone	Definition	Date
Announcement Date	The publication date of this notice	Dec. 22 th , 2021
Last order date	The date for last time buy	Apr., 22th, 2022
Last shipment date	The date for last shipment	Please contact supply chain for lead time

Description of Change :

Advantech is announcing the product change of AIMB-276 product series. Because key parts EOL and the replacements are not pin compatible, PCB re-spin is necessary to adopt the replacement to support the product life cycle plan.

Product Part Numbers Affected by this Announcement:

SKU	12-24V DC in (with Phoenix connector)	
Ordering P/N change	AIMB-276G2-00A1E	AIMB-276G2-00A2
PCBA change	96960276000	96960276010
PCB Change	A101-3 PN: 19A6027602-01	A101-4 PN: 19A6027603-01
Component change-1: Buck controller	PN: 1410026087-01 MPN: GS7210A-ATQ-R	PN: 1410026559-01 MPN: TPS40170RGYR
Component change-2: LAN controller	PN: 1410023117-01 MPN: WGI211AT	PN: 1410029502-01 MPN: KTI225LM

SKU	12V DC in (with DC jack)	
Ordering P/N change	AIMB-276G2-01A1E	AIMB-276G2-01A1E (no change)
PCBA change	96960276300	96960276300
PCB Change	A101-1 P/N: 19A6027610-01	A101-1 P/N: 19A6027610-01
Component change-1: Buck controller	N/A	N/A
Component change-2: LAN controller	PN: 1410023117-01 MPN: WGI211AT	PN: 1410022540-02 MPN: WGI210AT

Remark: AIMB-276G2-01A1E only change LAN chip to WGI210AT. Please refer to PCN "PCN_AIMB_Intel LAN_i211 change V2_20221226.docx"

Detail information of Component Change:

1. Buck controller:

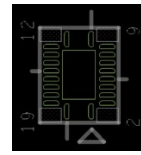
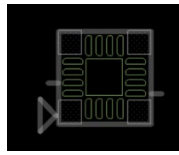
Current GS7210A-ATQ-R Synchronous Buck Controller will be replaced by TPS40170RGYR.

Current Controller Advantech PN	Current Controller Manufacture PN	New Controller Advantech PN	New Controller Manufacture PN
1410026087-01	GS7210A-ATQ-R	1410026559-01	TPS40170RGYR

Impact on Application and Recommended Action:

Item	Impact
impact on Functionality	No
Impact on Mechanical Design	No
Impact on BIOS, Driver	No
Impact on Environment Characteristics	No
Impact on Board Certifications	Yes
Impact on part number	Yes
Controller IC Physical appearance Change	Yes

Appearance (Reference only)	
Current Controller IC	New Controller IC
GS7210A-ATQ-R	TPS40170RGYR





2. LAN controller:

Current Controller Advantech PN	Current Controller Manufacture PN	New Controller Advantech PN	New Controller Manufacture PN
1410023117-01	Intel I211-AT	1410026559-01	Intel I225LM

Impact on Application and Recommended Action:

Item	Impact
impact on Functionality	Speed: 1000Base-T to 2500Base-T
Impact on Mechanical Design	TBD
Impact on LAN driver	Yes
Impact on BIOS	Yes
Impact on Environment Characteristics	No
Impact on Board Certifications	Yes
LAN IC Physical appearance Change	Yes

Appearance (Reference only)	
Current LAN IC	New LAN IC
WGI211AT 	KTI225LM 

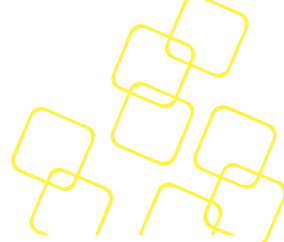
Appendix

Intel PCN #118543-00 (EOL letter)



PCN118543-00.p
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Intel I211-AT official forecasted Key Milestones

**Forecasted Key Milestones:**

Last Product Discontinuance Order Date	April 22, 2022
Orders are Non-Cancelable and Non-Returnable After	April 22, 2022
Last Product Discontinuance Shipment Date	October 22, 2022

**PM:** AIMB PM**Date:** Jan 19th 2023