



Intel® Pentium® N4200, Celeron®N3350, Intel® Atom®

E3930/E3940/E3950 CPUステッピング変更のお知らせ

Key Characteristics of the Change

Intel® Pentium® N4200, Celeron®N3350, Intel® Atom® E3930/E3940/E3950 CPU stepping conversion to F-1 stepping.

Description of Change to the Customer

Intel transite the **D-0** stepping of the Intel® Atom® Processor E3900 Series to **F-1**.
Intel transite the **B-1** stepping of the Intel® Celeron® N4200 and Celeron®N3350 Processors to **F-1**.
The new F-1 stepping will be physically and electrically drop in compatible, but suggest to revise CPU microcode. For more detail, please refer to **Intel PCN-117143-00/ PCN116716-01**.

Due to this change, Advantech Embedded SBC products **MIO-5350** will revise adopted CPU to new stepping with necessary changes and sufficient tests.

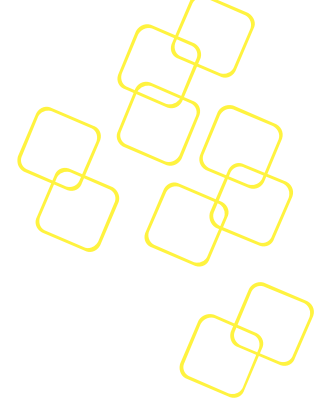
Customer Impact of Change and Recommended Action

Impact on hardware design: No

Impact on BIOS changes: Yes*, require BIOS version change (microcode update)

Impact on software design: No

Impact on mechanical & thermal: No



Impact on ordering part number: Yes

Effective Items

Will have new product number to distinguish the old stepping.

| Old Product Number | New Product Number | CPU | Before Changed | | After changed | |
|------------------------------------|--------------------|---------------------|--------------------|----------|---------------|----------|
| | | | CPU (S-Spec) | BIOS | CPU (S-Spec) | BIOS |
| MIO-5350N-S2A1E | MIO-5350N-S2A2 | Intel Pentium N4200 | SR2Z5 | 0060V110 | SRGVZ | 0060V200 |
| MIO-5350N-S1A1E | MIO-5350N-S1A2 | Intel Celeron N3350 | SR2Z7 | 0060V110 | SREKH | 0060V200 |
| New wide temp. SKU released | | | | | | |
| New Released | MIO-5350EW-S7A2 | Intel Atom E3950 | Wide temp.(0~85°C) | | | |
| New Released | MIO-5350EW-S6A2 | Intel Atom E3940 | Wide temp.(0~85°C) | | | |
| New Released | MIO-5350EW-S3A2 | Intel Atom E3930 | Wide temp.(0~85°C) | | | |

*As Intel PCN-116009-00 mentions, the original BIOS with C-0/D-0 stepping microcode may also work with F-1 stepping processors but this combination has not been validated and Intel recommends user to update microcode.

For standard part number user:

Suggest customer test new board with F-1 stepping CPU and updated BIOS version.

For T-part number user:

Suggest customer test new board with F-1 stepping CPU and updated BIOS version. If your T-P/N contain a customized BIOS, please issue the request to sales/FAE to get a new customized BIOS based on new BIOS version (microcode updated).

Once customer confirm the changes, please send a confirmation email to sales and we would apply a new T-P/N to distinguish with stepping change.

If customer need more time to validate new version, please place order before effective date with necessary quantities.

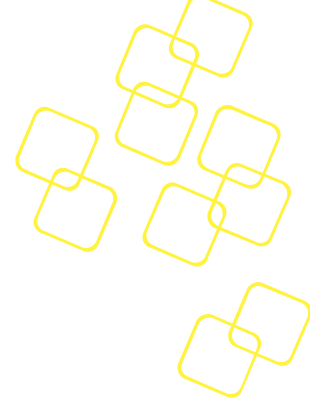
Effective Date

| Part Number Type | Effective Date | Cut-in type | Last-Time-Buy |
|----------------------|-------------------------------|----------------------|-----------------------------|
| Standard Part Number | now | Running change | Not available |
| T-Part Number | 15 th , Sept.,2020 | Start from new order | Not available* ¹ |

*¹ Please contact Advantech sales for alternative and do the last time buy plan.

Last-Time-Buy and Last-Shipment

No LTB and LS available



Reference

Intel PCN116716-01/ PCN117143-00

PCN Revision History

| Revision | Date | Description |
|----------|---------------|-----------------|
| V1.0 | June 20, 2020 | Initial version |

尚、本ご案内に関するお問合せは、次のようにお願い致します。

- 販売代理店様からご購入された場合
 - 販売代理店様へお問い合わせください。
- ご購入いただいた販売代理店様がわからない場合、弊社から直接ご購入された場合
 - 以下弊社窓口へ直接お問い合わせください。

アドバンテック株式会社マーケティング部

〒111-0032東京都台東区浅草6-16-3

E-mail: ajp_callcenter@advantech.com

TEL: 0800-500-1055 (フリーダイヤル) FAX: :03-6802-1022