

Product Change Notification

Document No **PCN-A-1050330** **Revision** **1.0**

PCN Topic: Change the CPU used on IH32 serial products from Core i5-4200U to Core i5-5200U.

INTRODUCTION:

Winmate will change the CPU on all of IH32 related products from Core i5-4200U to Core i5-5200U.

Details:

To provide better products and improve their performance is always Winmate's core ability.

Therefore we officially announce that the CPU used on all of IH32 related products will be changed from Core i5-4200U (Haswell) to Core i5-5200U (Broadwell).

The new generation of CPU has better performance for base frequency on both processor and graphics.

This PCN will immediately be implemented on Mar 30, 2016. Thank you for your understanding.

Comparison Table:

| | Previous CPU | New CPU |
|---------------------------------------|---|---|
| CPU name | Intel® Core™ i5-4200U Processor (3M Cache, up to 2.60 GHz) | Intel® Core™ i5-5200U Processor (3M Cache, up to 2.70 GHz) |
| Code name | Haswell | Broadwell |
| Instruction Set | 64 bits | 64 bits |
| Lithography | 22 nm | 14 nm |
| Processor Base Frequency | 1.6 GHz | 2.2 GHz |
| Max Turbo Frequency | 2.6 GHz | 2.7 GHz |
| TDP | 15W | 15W |
| Processor Graphics | Intel® HD Graphics 4400 | Intel® HD Graphics 5500 |
| Graphics Base Frequency | 200 MHz | 300 MHz |
| Graphics Max Dynamic Frequency | 1 GHz | 900 MHz |
| Graphics Video Max Memory | 2 GB | 16 GB |

Impact Products List:

| G-Win/MIL Panel PC | Marine Panel PC | Panel PC |
|--------------------|-----------------|---------------|
| R10IH3S-VMP1 | R15IH3S-MRA3FP | R15IH3S-65C3 |
| R10IH3S-VMT2 | R19IH3S-MRA1FP | R17IH3S-65A1 |
| R15IH3S-VMA3(HB) | W24IH3S-MRA1FP | R19IH3S-65A1 |
| R15IH3S-67A3(HB) | W26IH3S-MRA1FP | W22IH3S-65A3 |
| R19IH3S-67FTP | / | R10IH3S-PPT2 |
| W24IH3S-MLS1-89 | | R15IH3S-PPC3 |
| / | | W15IH3S-PPA2 |
| / | | R19IH3S-PPA1 |
| / | | W22IH3S- PPA3 |

Change Date:

Mar-30-2016

Will be effective from Mar-30-2016

Issued by: Tom Huang

APPROVE:

 **MD:**

EE:

TE:

PE: