



Intel® Gaussian Mixture Models and Neural Networks Accelerator (GNA) 01.00.00.1329

Release Notes

18 June 2018

Version History/Revision History

Date	Revision	Description
18 June, 2018	1.00	Release Notes for ver. 01.00.00.1329

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1 Introduction

The purpose of Intel® Gaussian Mixture Models and Neural Networks Accelerator (GNA) is to offload the CPU during some computations employing Gaussian mixture models or various types of artificial neural networks, and to accelerate this type of operations. The primary intended usage (but not limited to) is the Automated Speech Recognition (ASR) domain. The CPU offload during the speech recognition provides with scoring and decoding in parallel, which gives more some CPU headroom for applications. In turn, the scoring acceleration makes it possible to use larger & more accurate acoustic models, which proves the ASR accuracy.

2 New in This Release

Fixes

- API Copyright headers update for release ([HSD #97121](#))
 - Copyright headers in the API header files updated for external releases
- Missing hardware device detection backward compatibility for older drivers ([HSD #97122](#))
 - The hardware detection (HW ID) mechanism improved and made flexible
- Inf files copyright header update ([HSD #97131](#) & [HSD #97132](#))
 - Copyright header in the INF file updated for external releases

3 Hardware and Software Compatibility

The GNA CPU offload and acceleration capability is supported by the following Intel platforms in the post-Si:

- Gemini Lake
- Cannon Lake
- Ice Lake

Supported Operating Systems

The GNA SW stack, ver. 01.00.00.1329 supports the following Microsoft* OSes

- Windows* 10 Threshold 1
- Windows* 10 Threshold 2
- Windows* 10 Red Stone 1
- Windows* 10 Red Stone 2
- Windows* 10 Red Stone 3
- Windows* 10 Red Stone 4

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