DDK Application Guide

Overview

This document is used to guide internal staff to apply for the correct version of the DDK tools and documentation.

Procedure

1. Get the kernel log
   Restart the board to obtain the kernel log of the serial port, or directly execute the command: **dmesg |grep version** to obtain it.
2. Find the "Galcore version" line:
   The log is as follows: (the version of the NPU is in the red circle)

   > [4125.134758@3] galcore irq number is 55.
   > [4125.138504@3] Galcore version 6.3.3.210826
   > [4125.142586@3] Galcore options:

3. Find the corresponding version according to the following table.

Table 1 Mapping between DDK_Version and Acuity Tool Version

DDK_Version	Acuity Tool Version	Galcore Version	Release Time
DDK6.3.3.4	Acuity_5.0	6.3.3.210826	2019/06/05
DDK6.4.0.3	acuity_5.5.0	6.4.0.229426	2019/10/30
DDK6.4.0.10	acuity_5.7.0	6.4.0.10.239607	2020/03/10
DDK6.4.2.1	acuity_5.11.0	6.4.2.1.258160	2020/04/27
DDK6.4.3	acuity_5.14.1	6.4.3.279124	2020/07/24
DDK6.4.4.3	acuity_5.16.3	6.4.4.3.310723	2021/03/25
DDK6.4.6.2	acuity_5.21.1	6.4.6.2.345497	2021/06/02
DDK6.4.8.7	Acuity_6.0.12	6.4.8.7.415784	2022/02/10

4. Get the document and tools as the following table.

Table 2 DDK Package Description

NUM	Document	Remarks
1	AMLNN Convolution Acceleration Tips.pdf	模型设计指导文档

2	Neural Network Layer and Operation Support Guide.docx	算子支持列表文档
3	Model_Transcoding and Running User Guide_V0.9 Model_Transcoding and Running User Guide_V0.9_Eng	模型转换指导中英文文档
4	DDK_xxxx_SDK_V1.x.x API.docx DDK_xxxx_SDK_V1.x.x API Eng.docx	SDK_V1.9. API 中英文文档
5	NN Tool FAQ_V0.4.docx NN Tool FAQ_V0.4_Eng.docx	NN 常见问题中英文文档
6	DDK_x.x.x.x_Tool_acuity-toolkit-binary-x.xx.x.tar.gz	模型转换工具
7	DDK_x.x.x.x_SDK_V0.1.tar.gz	SDK_V0.1 开发包
8	DDK_x.x.x.x_SDK_V1.x.x.tar.gz	SDK_V1.9 开发包
9	Android NN JNI_Development_Guide.doc Android NN JNI Development Guide Eng.docx	Android jni 开发指导
10	Amlogic NN Integration Guide.docx Amlogic NN Integration Guide Eng.docx	Amlogic NN 集成指导文档
11	aml_nnengine_Tool_Introduction_v0.1.docx aml_nnengine_Tool_Introduction_v0.1_en.docx	Aml nn engine 使用指导文档
12	aml_perlayer_visual_tool_v0.1.docx aml_perlayer_visual_tool_v0.1_en.docx	Aml nn 可视化工具

Note：

If you cannot find the corresponding version or encounter other problems, please contact Liu Deng for support through the following methods.

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· *QQ：877897100*

· *Phone：18701872680*