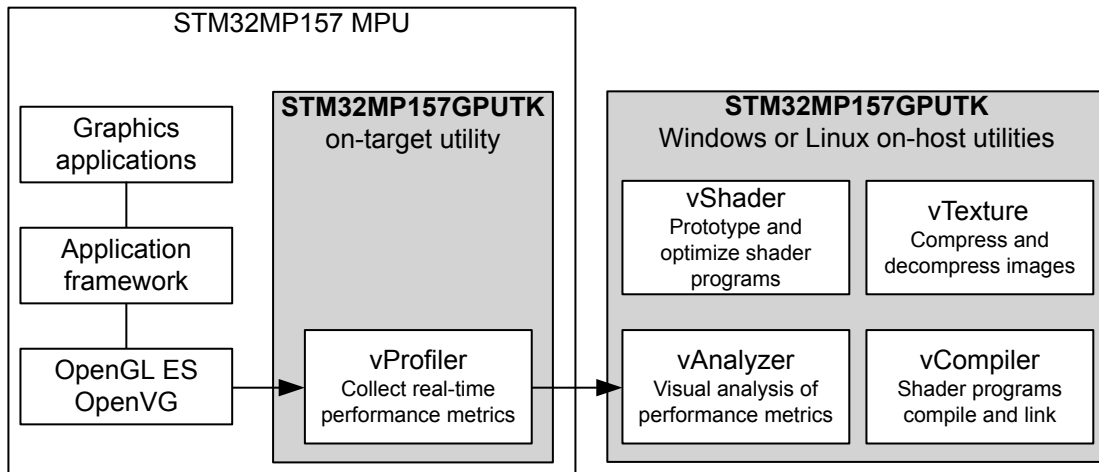


STM32MP157GPUTK package



Product status link

[STM32MP157GPUTK](#)


Features

- GPU (graphics processor unit) tool kit applications for STM32MP157 line microprocessors:
 - vAnalyzer: Visual analyzer application for graphing the performance metrics
 - vCompiler: Shader programs compiler and linker utility
 - vProfiler: Driver and hardware performance profiling utility
 - vShader: Visual editor application for prototyping and optimizing shader programs
 - vTexture: Image compression and decompression utility

Description

The STM32MP157GPUTK package is a STM32MP157 microprocessor GPU (graphics processor unit) tool kit containing a set of applications allowing developers to rapidly develop and port GPU-based graphic applications that uses the Khronos® Group OpenGL® ES (embedded system) and OpenVG™ standards.

Note:

- vAnalyzer and vShader have a Windows® GUI (graphical user interface).
- vCompiler and vTexture are utilities run from the command line.
- vProfiler is not included in the package but integrated in the GPU graphics drivers build process and runs on the hardware target.

1 General information

The STM32MP157GPUTK package applies to the STM32MP157 Arm[®]-based microprocessors (MPUs).

Note: Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.



1.1 Ordering information

The STM32MP157GPUTK is available for free download from www.st.com.

1.2 Licenses

STM32MP157GPUTK is delivered under the *Mix Ultimate Liberty+OSS+3rd-party V1* software license agreement (SLA0048).

This software package contains a third party software package from Vivante® governed by the following terms:

Vivante End User Software License Terms

The following are the terms to be agreed to by end users of Vivante Software licensed herein:

Copyright 2003-2017 Vivante Corporation, all rights reserved.

Use, reproduction and redistribution of this software in binary form, without modification and solely for use in conjunction with STMicroelectronics semiconductor chips with the Linux operating system environment that contain Vivante Corporation's technology, are permitted provided that the following conditions are met:

- Redistributions must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- Neither the name nor trademarks of STMicroelectronics International N.V. nor any other STMicroelectronics company (nor Vivante Corporation unless permission is granted separately by Vivante Corporation) may be used to endorse or promote products derived from this software without specific prior written permission.
- No reverse engineering, decompilation or disassembly of this software is permitted.
- No use, reproduction or redistribution of this software may be done in any manner that may cause this software to be redistributed as part of the Linux kernel or in any other manner that would subject this software to the terms of the GNU General Public License, the GNU Lesser General Public License, or any other copyleft license.

DISCLAIMERS:

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER(S) "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, ARE DISCLAIMED. IN NO EVENT SHALL STMICROELECTRONICS INTERNATIONAL N.V. NOR ANY OTHER STMICROELECTRONICS COMPANY (NOR VIVANTE CORPORATION) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE DELIVERY OF THIS SOFTWARE DOES NOT CONVEY ANY LICENSE, WHETHER EXPRESS OR IMPLIED, TO ANY THIRD-PARTY INTELLECTUAL PROPERTY RIGHTS.

EXCEPT THE LIMITED RIGHT TO USE, REPRODUCE AND REDISTRIBUTE THIS SOFTWARE IN BINARY FORM, NO LICENSE OR OTHER RIGHTS, WHETHER EXPRESS OR IMPLIED, ARE GRANTED UNDER ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF STMICROELECTRONICS INTERNATIONAL N.V. OR ANY OTHER STMICROELECTRONICS COMPANY (OR VIVANTE CORPORATION).

Revision history

Table 1. Document revision history

Date	Version	Changes
28-Mar-2019	1	Initial release.
29-Jul-2019	2	Fixed broken product status link on cover page.
13-Sep-2019	3	Updated Section 1.2 Licenses .

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, please refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2019 STMicroelectronics – All rights reserved