
STM32CubeMonitor release v1.1.0

Introduction

This release note is updated periodically to keep abreast of the **STM32CubeMonitor** evolution, problems and limitations. Check the product webpage in STMicroelectronics website at www.st.com for the latest version. For the latest release summary, refer to [Table 1](#).

Table 1. STM32CubeMonitor v1.1.0 release summary

Type	Summary
Minor release	Maintenance update to improve performance, fix issues, and add nodes in default palette.

Customer support

For more information or help concerning **STM32CubeMonitor**, contact the nearest STMicroelectronics sales office. For a complete list of STMicroelectronics offices and distributors, refer to the www.st.com webpage.

Software updates

Software updates and all the latest documentation can be downloaded from the STMicroelectronics support webpage at www.st.com/stm32cubmonitor.



1 General information

1.1 Overview

STM32CubeMonitor is a software tool to monitor and visualize real-time data from STM32 devices. Leveraging its graphical flow-based editor for visual programming, users drag and drop nodes representing features and widgets to quickly build custom dashboards with gauges, bar graphs, plots, and much more.

STM32CubeMonitor applies to STM32 microcontrollers, based on Arm® Cortex® cores.

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



1.2 Documentation

STM32CubeMonitor documentation is available in wiki format at wiki.st.com/stm32mcu/wiki/STM32CubeMonitor:STM32CubeMonitor_overview.

1.3 Host PC system requirements

Supported operating systems and architectures

- Windows® 7, 8, and 10, 64 bits (x64)
- Linux® Ubuntu®, version 16.04
- macOS® (minimum version macOS® Mojave)

Note: Ubuntu® is a registered trademark of Canonical Ltd.

macOS® is a trademark of Apple Inc. registered in the U.S. and other countries.

All other trademarks are the property of their respective owners.

1.4 Setup procedure

The installation procedure is described in STM32CubeMonitor wiki pages for Windows®, macOS® and Linux®.

The zip files available from the STM32CubeMonitor webpage on www.st.com contain the installer for the selected operating system, embedded software for target instrumentation, and licensing information. Please refer to wiki.st.com/stm32mcu/wiki/STM32CubeMonitor:Installing_STM32CubeMonitor for setup details.

1.5 Licensing

STM32CubeMonitor is delivered under the *Mix Ultimate Liberty+OSS+3rd-party V1* software license agreement (SLA0048).

The information about third-party and open sources are disclosed in file `licenses_list_STM32CubeMonitor.txt` in folder `licenses`.

2 STM32CubeMonitor v1.1.0 release information

2.1 New features / enhancements

- Optimize the access point management in read procedure to improve speed
- Chart:
 - Keep color and order of data lines of variables at each start
 - Autozoom considers only the visible variables to compute the zoom factor
- Add binary operators in post processing
- Support `bool` type from `<stdbool.h>` as `uint8_t`
- Update UI look and feel and STMicroelectronics logo
- Add some nodes in STM32CubeMonitor palette: `node-red-contrib-finite-state-machine` and `node-red-contrib-ui-led`
- Ask the user if the `stm32cubemonitor` folder should be removed when Linux[®] software is uninstalled
- Add the new STM32 part numbers
- Executable/elf file parser: support of C++ classes
- Avoid displaying variables with undefined type
- The trigger name field indicates `Variable list is empty` when the variable list is empty

2.2 Fixed issues

Table 2. Main issues fixed in STM32CubeMonitor v1.1.0

ID	Summary
81386	Sometimes, import data raises an exception.
81996	Acquisition out node displays errors in console and in debug Node-RED [®] console while it should not.
82464	Not able to display dashboard and open online help simultaneously.
82592	Wrong value is read for 16-bit variables when the value is oscillating around overflow from one byte to the other.
82819	STM32CubeMonitor crashes when expanding variable list on executable files containing a big arrays.
84007	The processing node is not detecting linked-variable nodes on import (because of the new node IDs).
84015	STM32CubeMonitor loses some variable selections on edit (issue raised in community.st.com).
84801	The trigger name field is not updated when there is no executable file.

2.3 Known problems and limitations

On Ubuntu[®] 19.10, the tool used to parse the symbol files is not working properly without the `libncurses5` library. To install it, run `$sudo apt install libncurses5`.

3 Previous release information

3.1 STM32CubeMonitor v1.0.0 release information

3.1.1 Features

The version v1.0.0 is the first release of STM32CubeMonitor. The application provides STMicroelectronics nodes and reference flows to perform data acquisition on target.

3.1.2 Known problems and limitations

The menu **[Manage Palette]** is not available when `npm` is not installed on the computer. In order to add nodes in the palette, the user must install `nodejs` (with `npm`).

Revision history

Table 3. Document revision history

Date	Version	Changes
28-Feb-2020	1	Initial release.
7-Sep-2020	2	Added information related to STM32CubeMonitor v1.1.0.

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