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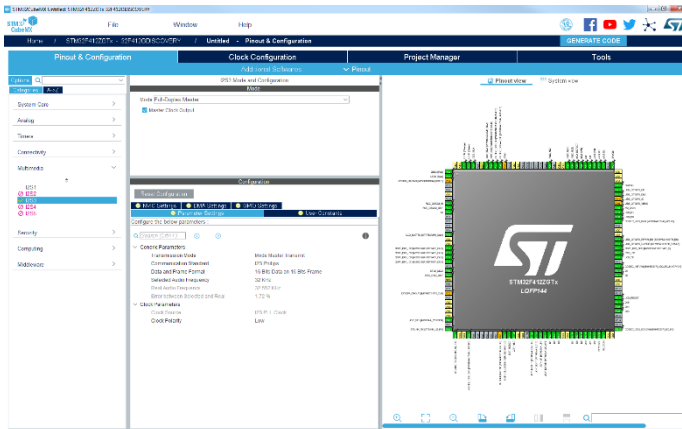
STM32CubeMonitor

Data monitoring and visualization tool for STM32

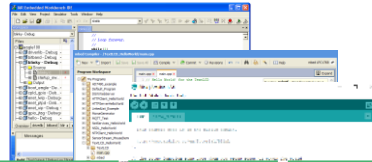
February 2020

Need help monitoring application behavior ?

STM32
CubeMX



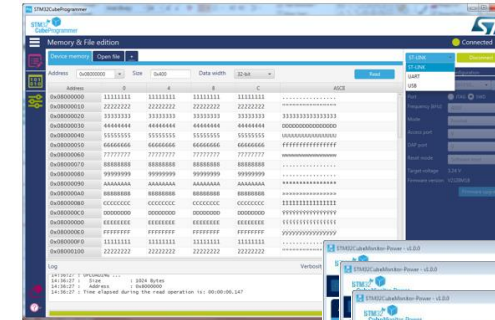
FREE
IDEs



STM32
CubeIDE



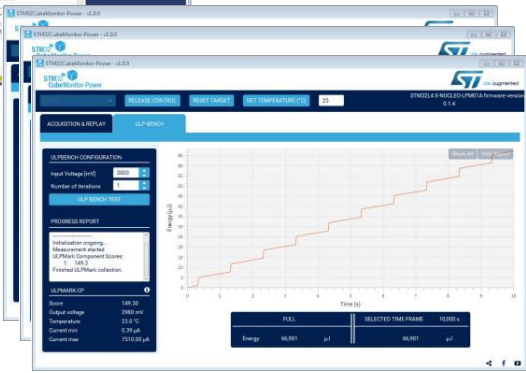
STM32
CubeProgrammer



STM32
CubeMonitor-UCPD

STM32
CubeMonitor-Power

STM32
CubeMonitor-RF

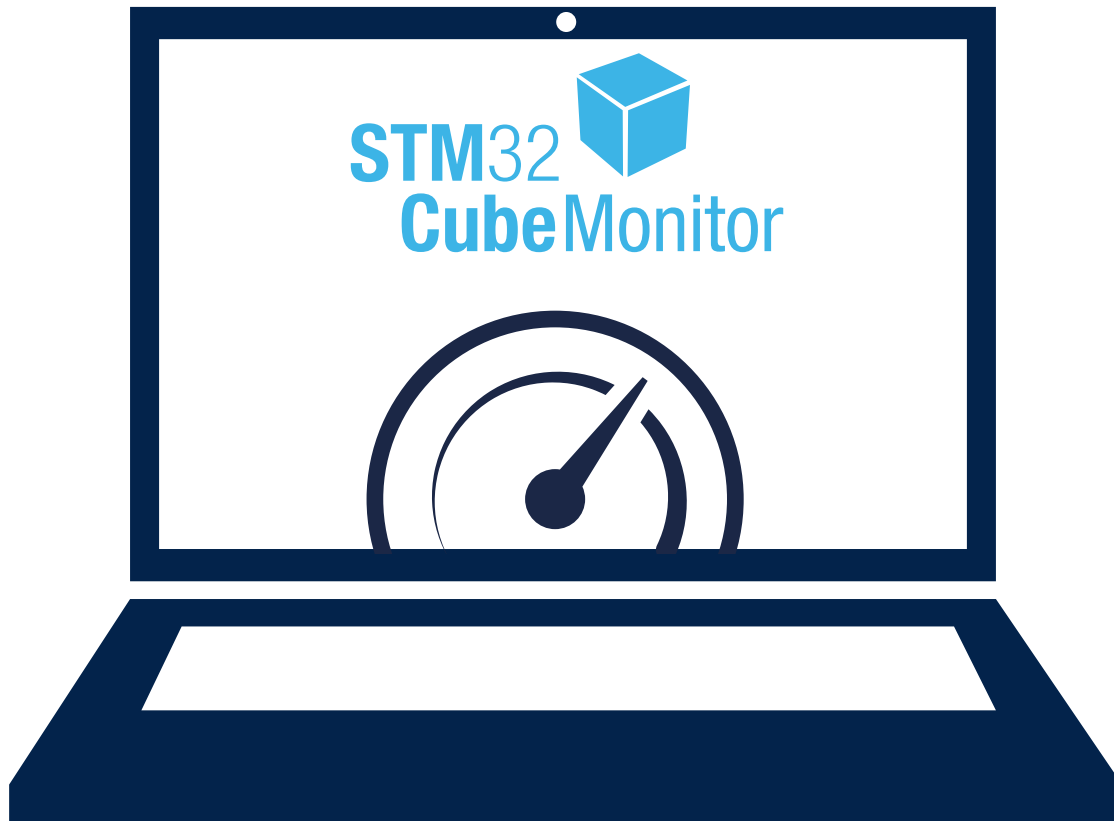


STM32CubeMX, GUI Builders
Configure & generate code

ST and Partner IDEs
Compile and debug

STM32CubeProgrammer
STM32CubeMonitor
Monitor, program & utility SW

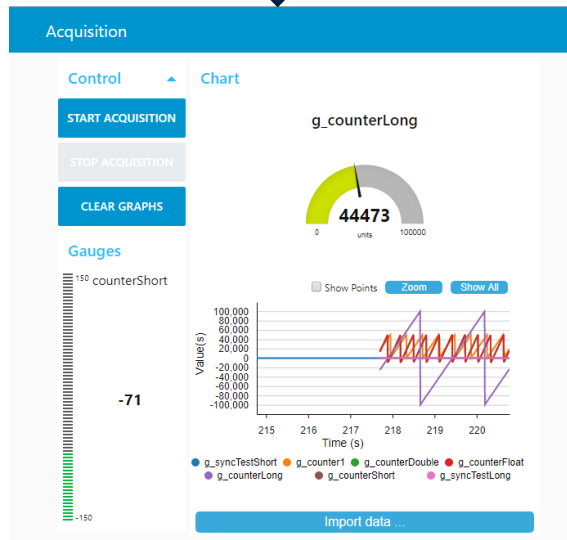
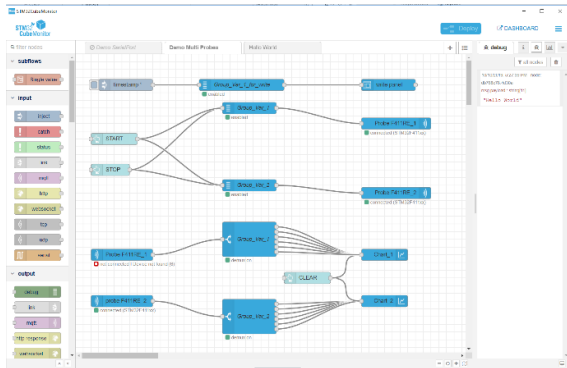
Introducing STM32CubeMonitor



Real-time variable monitoring
during application runtime

Flexible graphical visualization

Direct support of the Node-RED®
open community



Monitoring application variables during runtime

- Non-intrusive tool to follow application behavior without interruption
- Real-time analysis to finetune application configuration

Drag & drop creation of dashboard UI

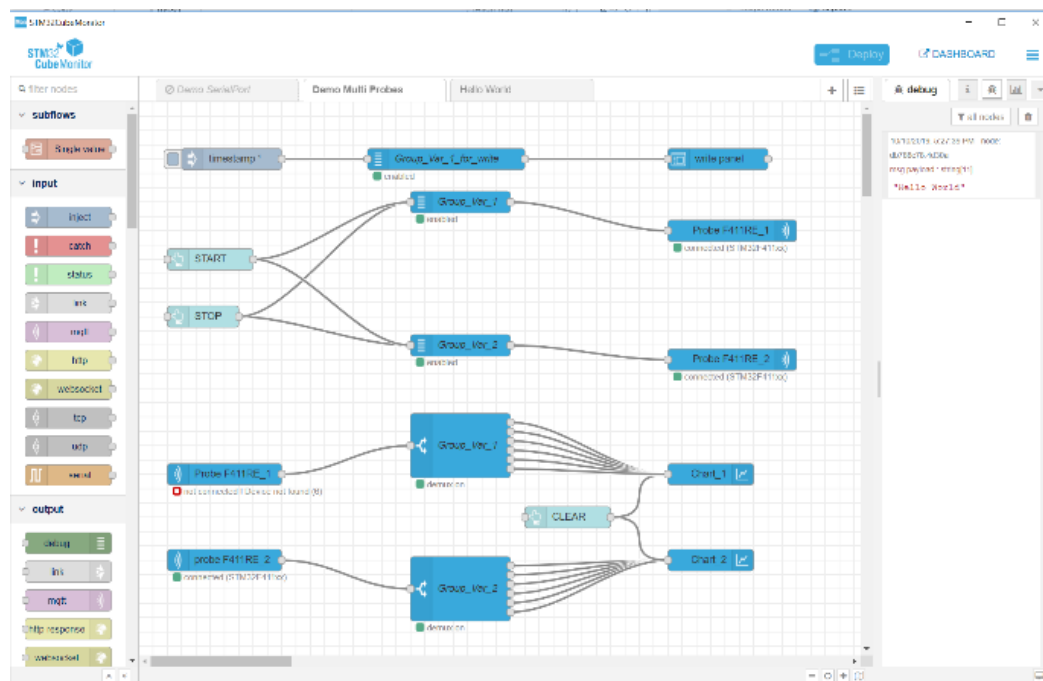
- Large choice of graphical components (gauges, bar graphs, plots...)
- Customize settings. No need for programming.

Graphical visualization on any display

- Multi-OS tool: direct support of PC, tablets and smartphones
- Remote monitoring

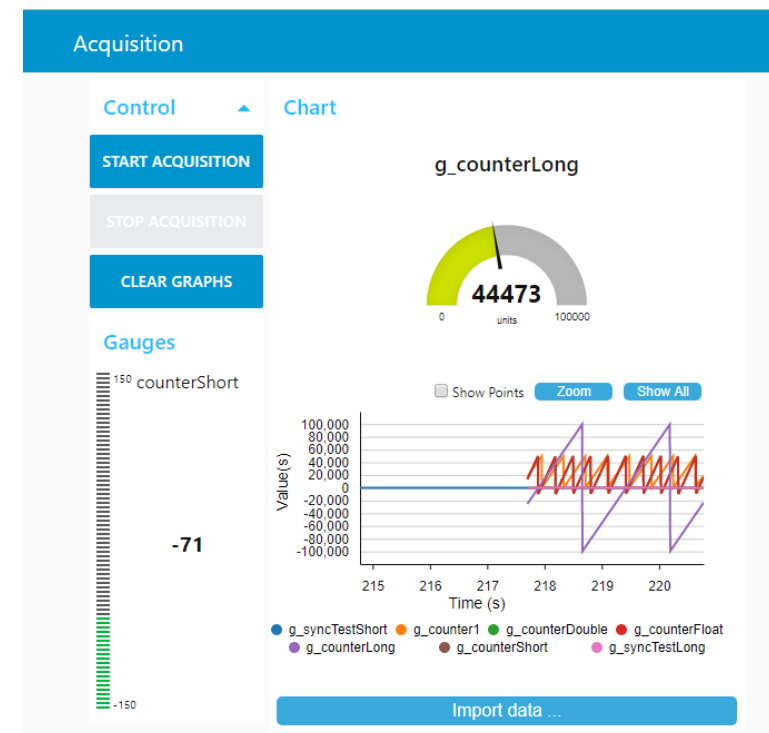
Design mode to create

Build and edit the logical data flow and graphical rendering of the custom monitoring UI.



Dashboard mode to visualize

Use the monitoring UI built previously and visualize locally or remotely.





Direct support of Node-RED community

Flow-based visual programming for connecting together hardware devices, APIs and online services (a flow is composed of connected nodes: input, output, function etc.)

Unlimited possibilities

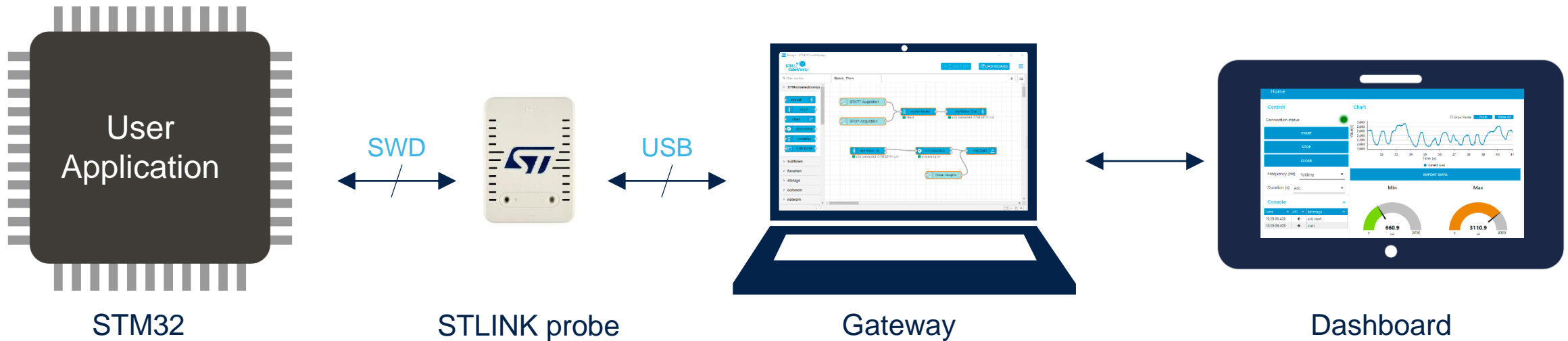
Large choice of ready-to-use nodes to easily expand STM32CubeMonitor default palette.

Native support of multi-format displays

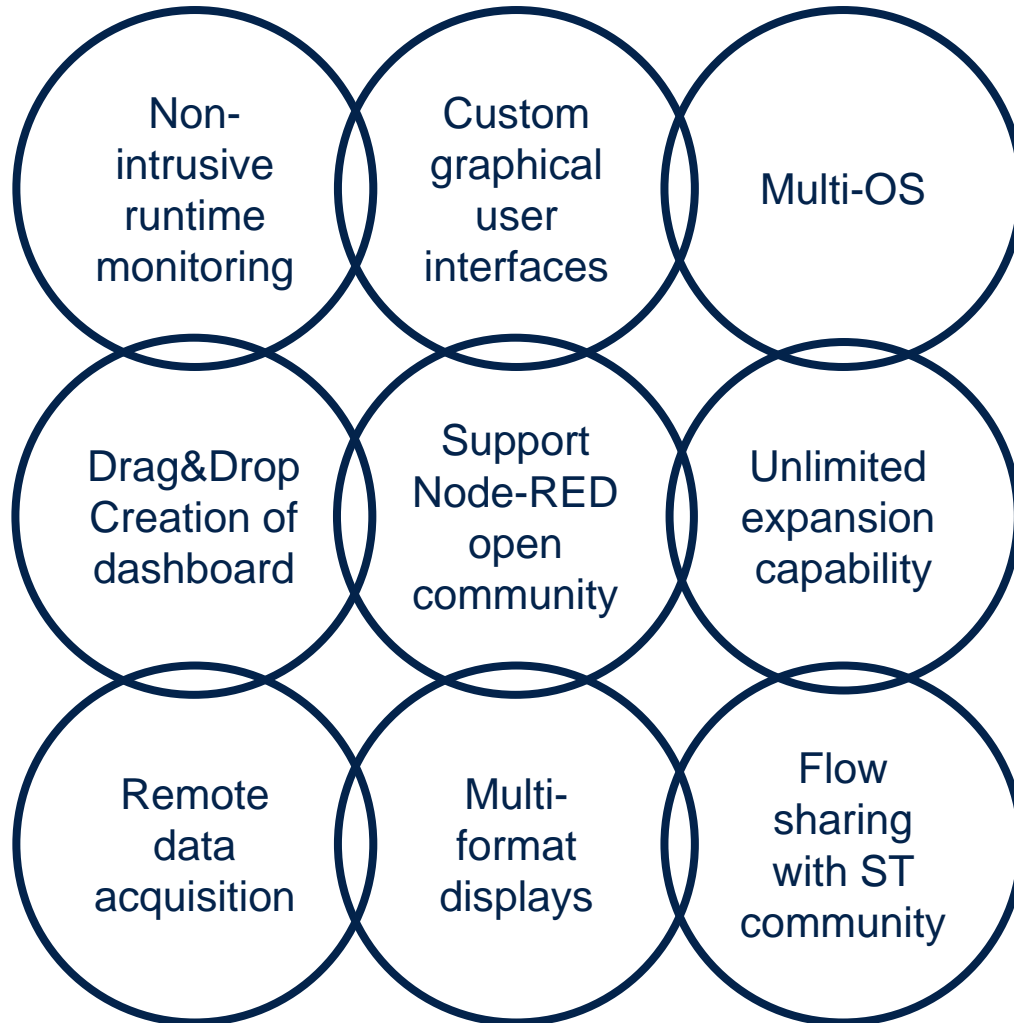
Dynamic layout of dashboard UI on PCs, tablets, smartphones.

Remote data acquisition with web server technology

Monitor across a network with a web browser



Overview of benefits



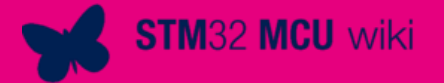
Available for free download

Resources and useful links

[Visit our STM32CubeMonitor web page](#)



[Read our technical documentation on STM32CubeMonitor](#)



[Share use cases with STM32 community](#)



[Watch our Getting started webinar \(video\)](#)



[Read our latest blog post](#)



Thank you

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