Elprotronic Inc. Announces the Release of GangFlasher-ST
A New High Speed Gang Flashing Solution for STM32MP1 Series MPUs

GangFlasher-ST Delivers Faster Download Speed to STM32MP1 Users in a Turnkey Software Solution

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ONTARIO, Canada - [Elprotronic Inc.](#) announced today the release of its GangFlasher-ST software, developed in close collaboration with STMicroelectronics. Elprotronic's lastest technology provides programming speeds of up to 40 MBytes/s, depending on the hardware design.

> "We are excited to pioneer such new technology. It is the result of decades of experience in building flashing technology for different platforms. Now we offer ST customers who use STM32MP1 series a much faster download solution via new software technology without any additional hardware. Also, the customer can program up to 8 targets in parallel using only one license key," said Gregory Czajkowski, CEO of Elprotronic Inc.

Using only Software and a USB cable, the breakthough technology allows large embedded applications to be flashed at speeds 10-20 times faster than current flashing technology. Our first version of the GangFlasher leverages the popularity of the STM32MP1 and its support for emerging markets such as AI on the Edge, and IoT products demanding larger applications. The GangFlasher can program and verify gigabyte-sized images in less than a minute, and at scale, since programming of one or up to 8 targets proceeds in parallel and takes the same time.

> "With much higher programming and flashing speed, STM32MP1 users can deploy gigabyte-sized application code seamlessly. Elprotronic's high-speed flashing adds a valuable solution to the STM32MP1 ecosystem for a wide range of applications with increasing memory footprint," said Laurent Desseignes, Ecosystem Marketing Director, *STMicroelectronics.*

The STM32MP1 is a powerful MPU from ST that has the capability to run full-fledged Linux distributions, while taking advantage of a broad range of security features. The GangFlasher-ST software is available for Windows 10, Ubuntu Linux, and macOS, supporting eMMC, NOR/NAND SD cards, SPI-NAND, and OTP memory. Added support for Secure Software Provisioning (SSP) via STM32HSM is also expected within a month. Supporting standard software package solutions, the GangFlasher-ST will automatically create the partition table and program all the partitions according to the standard TSV file. After programming, the device is ready to boot independently. **Most importantly, the GangFlasher-ST fast-bootloader technology seamlessly supports new custom boards.**

Elprotronic high-speed flashing technology is geared towards production and is available in Gang Programming mode right out of the box. In addition to high speed, the GangFlasher can program up to 8 target boards at the same time. On the customer side, up to two PCI USB extension cards (<$100 each) may be required to connect 8 USB devices. The existing market standards of 1-2 MBytes/s download speed are impractical when programming an application with images up to 1-2 GB. With the new Elprotronic high speed flashing, you will be able to boost performance up to 40 MB/s.

The new GangFlasher-ST tool is available now and users can try a free evaluation by downloading a 15-day trial license from : GangFlasher-ST

For more information about Elprotronic, ST Authorized Partner, please see
 http://www.elprotronic.com/

For more information about STM32MP1, please see http://www.st.com/stm32mp1

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Elprotronic Inc. Media Contact:
Adam Czajkowski sales@elprotronic.com
Nadim Shehayed nadim@emprog.com