



Security

Static Code and Dynamic Root of Trust for Measurement (S-CRTM and D-RTM)
Verified and measured boot integration
Firmware Recovery
Firmware re-ownership
Trusted Platform Module 2.0 (TPM)
Secure firmware update
Security features automatic report
OPAL integration



Performance

CPU
Boost



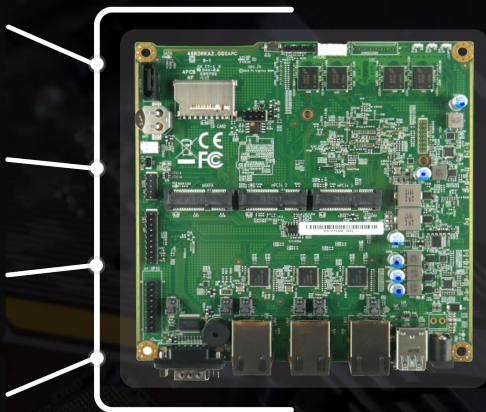
Compatibility

Regression Test Results (RTR)
Documentation
Continuous integration
USB boot
Support for implementation of the Preboot eXecution Environment (iPXE)
Continuous Deployment



Marketing

Newsletter
Blog
Website
Dedicated firmware release site with changelogs



Features Dasharo Swiss Gambit



Security Module

Static Code and Dynamic Root of Trust for Measurement (S-CRTM and D-RTM)

To protect the most important piece of low level code which verifies other firmware components during boot.
To reestablish trust in a compromised environment without reboot

Verified and measured boot integration

To make sure your platform boots only trusted code

Firmware Recovery

To recover the firmware image in any situation

Firmware re-ownership

To complete the ownership transfer and verification of the software delivered with hardware

Trusted Platform Module 2.0 (TPM)

To make your platform tamper resistant, with secure chip that carries out cryptographic operations

Secure firmware update

To mitigate supply chain attacks and provide secure system firmware update

Security features automatic report

To raise awareness of the security features implemented and the level of protection offered by platform firmware

OPAL integration

To enhance the safety of the data on the disk by leveraging its security features



Performance Module

CPU Boost

To increase significantly performance of the processor



Compatibility Module

Regression Test Results (RTR)

To prove the support cycle for your platform with powerful set of automated suites integrated with Dasharo CI and results visualisation

Documentation

To make users self-sufficient with explicit, user-dedicated manuals of released binaries, installation steps and best practices guidelines

Continuous integration

To handle faults, isolate and resolve them in a reasonable time, including emergency releases

USB boot

To easily and quickly change the stuff the platforms boot into, including OS or any bootable tool

Support for implementation of the Preboot

eXecution Environment (iPXE)

To boot from a network using the open source network boot firmware that provides full PXE implementation. To retrieve data through protocols other than TFTP (HTTP, iSCSI and more)

Continuous Deployment

To provide stable delivery process of firmware maintenance



Marketing Module

Newsletter

To allow your clients to be up-to-date with product release notes and events, rising strong interest around the product

Blog

To make your product visible with blog posts based on release notes with implementation examples marketing means

Website

To prove that recognized and exercised Dasharo quality stands behind platform firmware clearly explaining all crucial aspects of the product: RTR results, CI, Blog, binaries, releases and more according to your choice

Dedicated firmware release site with changelogs

To place all the binaries in one place with detailed changelogs

Dasharo Firewall Reference Platform (DFRP) is PC Engines apu2 You can purchase DFRP [here](#), or if you already have apu1/2/3/4/6 platform, contact us to deploy Dasharo. Please note 3mdeb is not responsible for production or supply chain for this hardware.

Contact us



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Why Dasharo

No more compromises between the needs of your clients and the possibilities of popular BIOS firmware. Make your platform visible by building your own solution. Choose needed features from **Dasharo modules** and enhance Maintenance, Security, Performance and Marketing purpose of your platform. We can help you go through all the stages, just tell us about your needs.

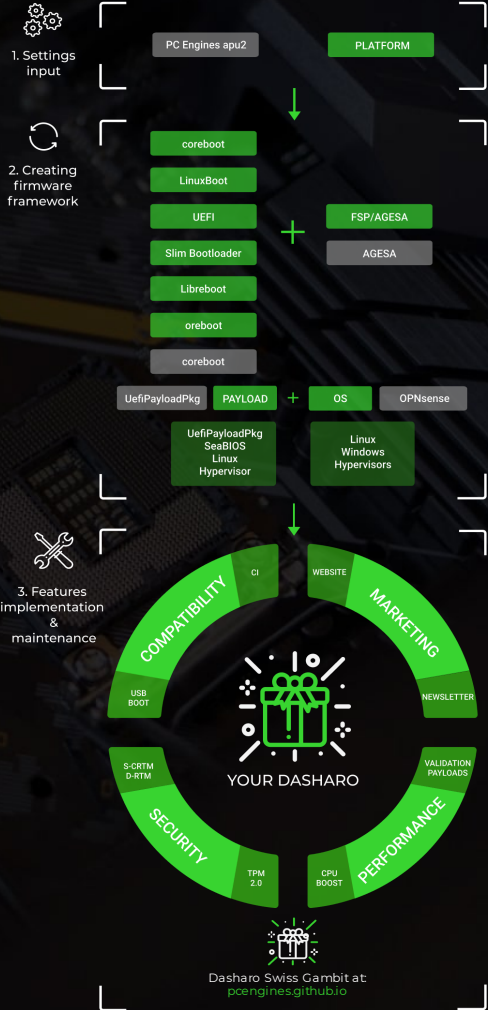
Dasharo Firewall Reference Platform * (DFRP) specification

CPU	AMD Embedded G series GX-412TC, 1 GHz quad Jaguar core with 64-bit and AES-NI support, 32K data + 32K instruction cache per core, shared 2MB L2 cache.
DRAM	2 or 4 GB DDR3-1333 DRAM, with optional ECC support.
Storage	Boot from SD card (internal SDHCI controller), external USB, m-SATA SSD or conventional SATA SSD / HDD.
Power	About 6 to 10W of 12V DC power depending on CPU load. Connect to 2.5 mm DC jack or optional internal header.
Firmware	Dasharo Firewall (Swiss Gambit) v1.0.0.

More about modules

- Performance** – covers all the features that can boost the work of your platform.
- Security** – advanced features that can harden the protection of your platform that can bring protection of your platform to the next level.
- Compatibility** – all the measures and means to keep your platform updated, stable and integrated.
- Marketing** – platform dedicated content and ready-to-use solutions crafted for the purpose of your clients.

- modifications and features. For the full list of Dasharo features* visit dasharo.com
 - Sample options
 - Dasharo Swiss Gambit solution
- *Dasharo features may differ depending on the received input possibilities



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