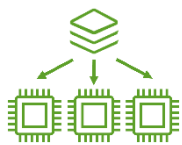


STACKFORCE

embedded.connectivity.solutions



PORTING

SERVICE OVERVIEW

2023-01-02 | v1.0

PORTING SERVICE

The porting service of STACKFORCE includes the one-time porting and verification of a Standard Protocol Stack to the customer-specific hardware.


Basically, a stack is delivered for the reference hardware. Our porting service is needed when the custom hardware does not match our reference hardware. The effort for porting differs depending on the stack and the desired hardware


platform. Therefore, every porting is an individually tailored service.



ADVANTAGES OF PORTING


We can port our standard software to almost any hardware. This allows you to use our stack on hardware you already own. In case you need to buy new hardware, it is not necessary to choose a special chip, but the one that suits you best – we make the stack work!


THE PROCESS OF PORTING


- 1 Preliminary discussions** 

Customer requirements and the scope of work will be defined in a joint exchange. This results in various work packages that are implemented during the project.
- 2 Preparation** 

The customer delivers their hardware to STACKFORCE in a state ready-for-porting.
- 3 Porting** 
 - One-time porting of the STACKFORCE standard software in the current version on the customer's hardware.
 - One-time verification of the porting with the current version of the verification software (official test tools of the respective technologies, if available). In addition, tests are performed with an internal test tool.
- 4 Porting Report** 

STACKFORCE provides a porting report which includes information on software versions as well as test results.
- 5 Delivery** 

The customer receives the software for the desired hardware via download link. At customer's request, STACKFORCE also returns the hardware (used for programming) at customer's expense.
- 6 Maintenance** 

STACKFORCE provides updates for standard software with active maintenance packages.
- 7 Additional Services** 

Upon customer's request, STACKFORCE offers verification of porting with additional software versions.

REQUIREMENTS AND CONDITIONS FOR THE PROVISION OF PORTING SERVICES

PURCHASE ORDER & HARDWARE DELIVERY

In order to start porting, STACKFORCE needs both the complete purchase order and customer hardware ready-for-porting in duplicate. The delivery of the hardware in condition for porting is an important part of the porting service. To start with porting, STACKFORCE needs the hardware with:

- 1. Connector/cable for debugger and circuit board**
- 2. Power supply connector**
cable for power plug or battery compartment to connect power supply

If the hardware is provided in a state not-ready-for-porting and STACKFORCE incurs unexpected efforts to put the board into operation and debugging it, these efforts will be invoiced at an hourly rate of 160,00 €. If the customer prefers to make the adjustments to the hardware by himself, STACKFORCE will send the hardware back at customer's expense. Likewise in case of major hardware customization that STACKFORCE is unable to implement at its location.

Note: In case the hardware is not-ready-for-porting, the time frame will be delayed, and STACKFORCE will not be able to meet promised deadlines.

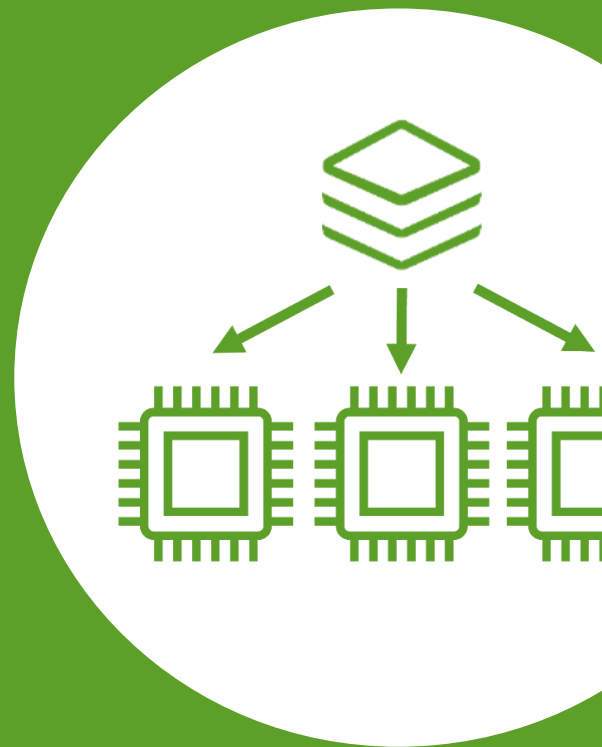
For software porting, STACKFORCE also requires documentation on the hardware circuitry – in particular, how the MCU is connected to the radio. This information also must be provided by the customer.

SOFTWARE DELIVERY

STACKFORCE guarantees the functionality of the ported software on the respective hardware at the time of delivery. If tests are delayed on the part of the customer and a new software version has been released in the meantime, STACKFORCE does not guarantee functionality. Adaptations can be made for an additional charge as the porting service is a one-time porting and does not include further maintenance if the customer does not have an active maintenance package.

MAINTENANCE

STACKFORCE provides software updates or new software releases only for the reference hardware. Adjustments to customer's hardware can be ordered additionally as a one-time maintenance service or a maintenance package can be concluded



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