



# Inter-Platform Communication Framework (IPCF)

## IPCF

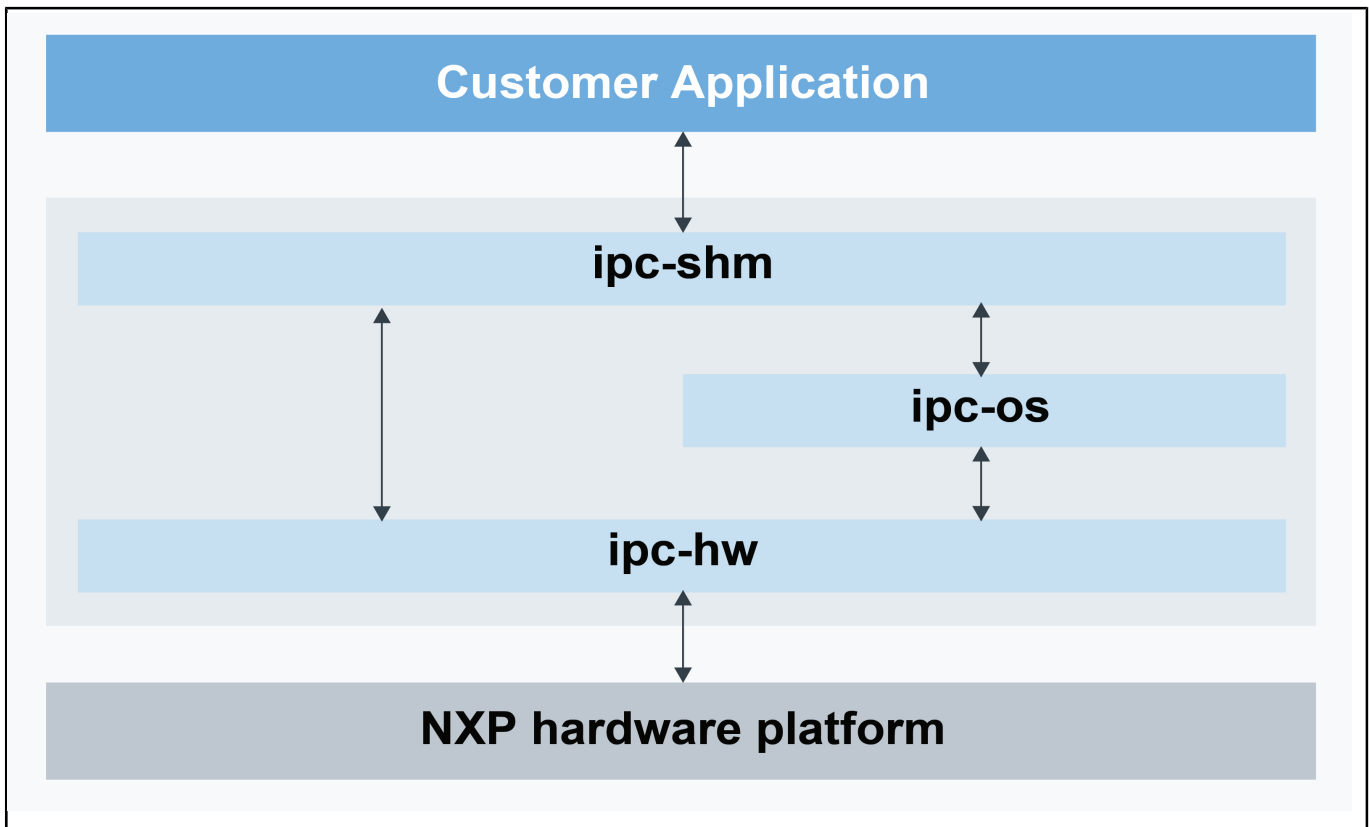
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The Inter-Platform Communication Framework (IPCF) is a subsystem that enables applications (running on multiple homogenous or heterogeneous processing cores) located on the same chip or different chips (running on other operating systems like AUTOSAR™, FreeRTOS™, or more) to communicate over various transport interfaces (such as Shared Memory and others).

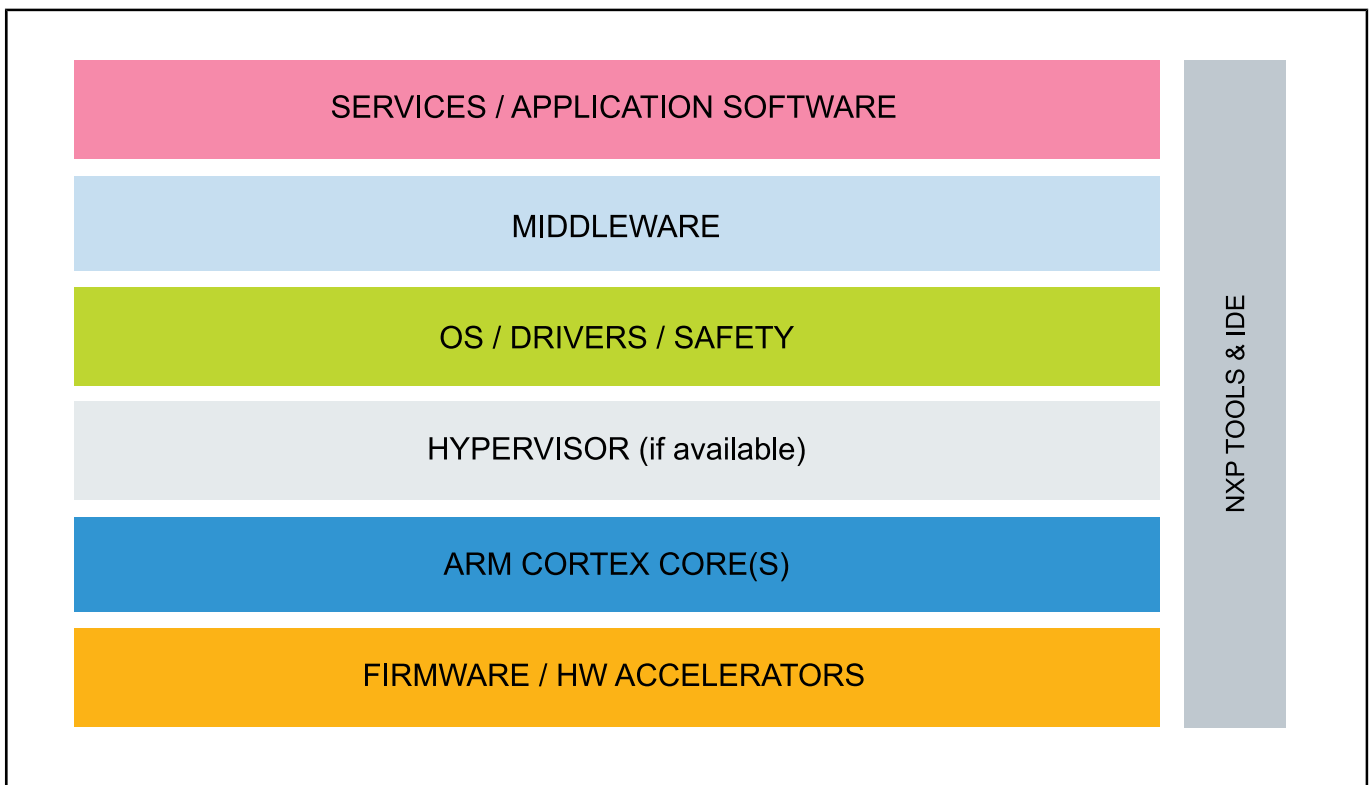
IPCF exposes a zero-copy API that customers can directly use for maximum performance, minimum overhead, and low CPU load. The driver ensures freedom from interference between local and remote shared memory by executing all writing operations only in the local memory domain.

Customers can enforce memory protection for their software with IPCF.

### IPCF Architecture Block Diagram Block Diagram



### Automotive General Block Diagram Block Diagram



View additional information for [Inter-Platform Communication Framework \(IPCF\)](#).

**Note:** The information on this document is subject to change without notice.

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