MFi (Made for iPhone®, iPad®, iPod®) Accessory Software Development Kit (SDK)

MFI-SDK

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#support-policy{ display: none !important; }
The MFi Accessory Software Development Kit (SDK) from NXP® offers support for iPhone®, iPad® and iPod touch® for the development of audio and non-audio accessories connected via the Apple Lightning or USB-C connector.
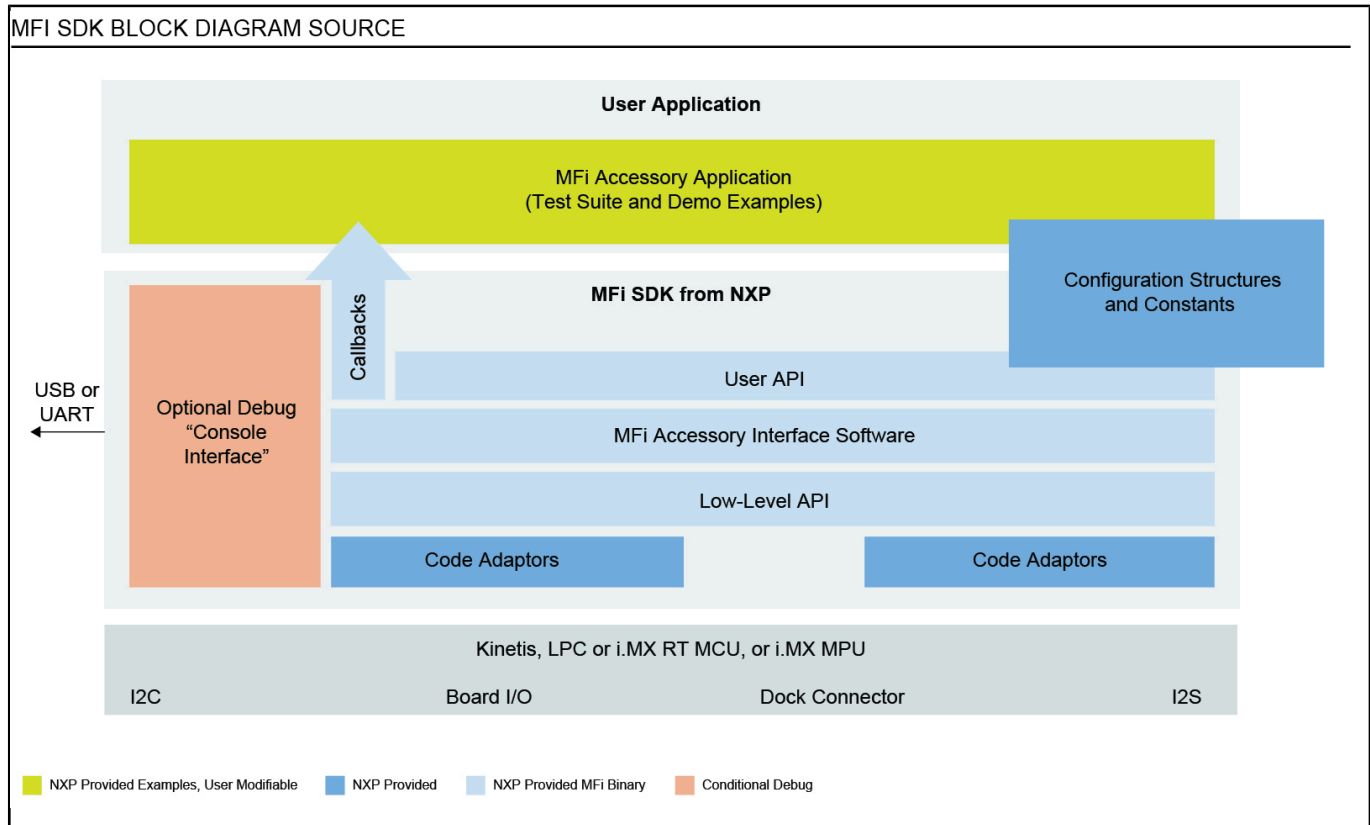
The MFi SDK from NXP is custom configured for the specific combination of processor, development platform, development tools, and MFi functionality required. An estimate of the number of necessary Professional Support hours for a specific configuration will be provided during the purchase process. Typically 50 to 200 hours Professional Support are required, with package costs of $11.5K to $34.5K respectively, but some configurations could require significantly more hours to implement.

All NXP MCU and MPU families are supported, but the required number of Professional Support hours may vary significantly depending on the processor, development hardware, development environment, and required functionality.

*The MFi SDK is only available to valid MFI licensees and license will be checked before delivery.

Please contact Mike.Toh@nxp.com for more information.

MFi Software Development Kit from NXP-Block Diagram Block Diagram

MFI SDK BLOCK DIAGRAM SOURCE

User Application

MFi Accessory Application
(Test Suite and Demo Examples)

Configuration Structures
and Constants

MFi SDK from NXP

Callbacks

USB or
UART

Optional Debug
"Console
Interface"

User API

MFi Accessory Interface Software

Low-Level API

Code Adaptors

Code Adaptors

Kinetis, LPC or i.MX RT MCU, or i.MX MPU

I2C

Board I/O

Dock Connector

I2S

■ NXP Provided Examples, User Modifiable　■ NXP Provided　■ NXP Provided MFi Binary　■ Conditional Debug

View additional information for MFi (Made for iPhone®, iPad®, iPod®) Accessory Software Development Kit (SDK).

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