

matrixUSB

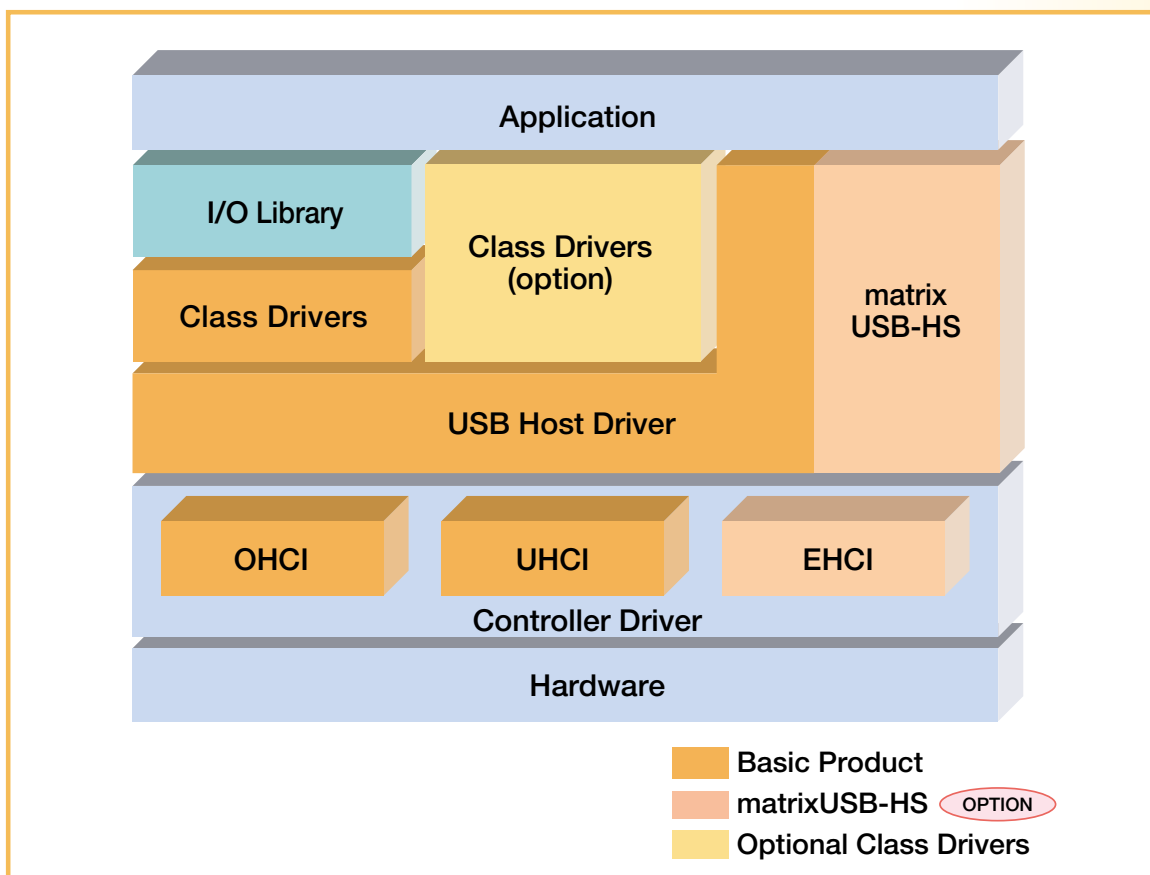
[USB Host Driver (Compliant with USB 1.1/2.0)]

Outline

matrixUSB is the software for embedded systems to connect with various USB (Universal Serial Bus) devices.

Features

- Compliant with USB 2.0 Specification.
Connecting 6 tiers, 1 host and 127 devices in a star topology via a hub.
Mixed modes of Hi-speed(480Mbps)/Full-speed(12Mbps)/Low-speed(1.5Mbps) available.
Supporting control transfer, bulk transfer, interrupt transfer, and isochronous transfer.
- USB Root Hub driver support.
- Ready for Hot-Swap and Plug&Play.
- Providing the HID(keyboard/mouse) Class Driver and the Printer Class Driver in a basic component.
- Enable to manage memory isolated to other applications.
- Enable to register class drivers dynamically.
- High portability by isolating to system-dependants completely.
- Debugging easily by the extensive log function.



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■ Notice

USB function is excluded. Required matrixUSB-OTG when USB function is needed.

■ OS Support

- μ ITRONv4
- Tornado/VxWorks

■ Controller support

- OHCI
- UHCI
- EHCI(option)

■ Option

- matrixUSB-OTG
- matrixUSB-HS
 - EHCI driver
 - PING flow control
 - Split-transaction
- Class driver
 - matrixUSB-MSC
 - matrixUSB-SIC
 - matrixUSB-CDC
 - matrixUSB-ADC
- PictBridge Software(other product)
 - matrixDPS

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TEPCO UQUEST, LTD.

Tokyo Head Office Fukokuseimei Bldg. 11F, 2-2-2, Uchisaiwai-cho,
Chiyoda-ku, Tokyo 100-0011 Japan
TEL:+81-3-3580-5501 FAX:+81-3-3580-5509

Kobe Branch Office Sannomiya Intes Bldg. 8F, 7-1-8 Isogami-dori,
Chuo-ku, Kobe 651-0086 Japan
TEL:+81-78-242-8011 FAX:+81-78-242-8022

URL : <http://www.uquest.co.jp>

E-mail : sales@uquest.co.jp

