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winusb.h header

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This header is used by USB driver reference. For more information, see:

- USB driver reference winusb.h contains the following programming interfaces:

Functions

TITLE	DESCRIPTION
WinUsb_AbortPipe	The WinUsb_AbortPipe function aborts all of the pending transfers for a pipe. This is a synchronous operation.
WinUsb_ControlTransfer	The WinUsb_ControlTransfer function transmits control data over a default control endpoint.
WinUsb_FlushPipe	The WinUsb_FlushPipe function discards any data that is cached in a pipe. This is a synchronous operation.
WinUsb_Free	The WinUsb_Free function releases all of the resources that WinUsb_Initialize allocated. This is a synchronous operation.
WinUsb_GetAdjustedFrameNumber	The WinUsb_GetAdjustedFrameNumber function computes what the current USB frame number should be based on the frame number value and timestamp.
WinUsb_GetAssociatedInterface	The WinUsb_GetAssociatedInterface function retrieves a handle for an associated interface. This is a synchronous operation.
WinUsb_GetCurrentAlternateSetting	The WinUsb_GetCurrentAlternateSetting function gets the current alternate interface setting for an interface. This is a synchronous operation.
WinUsb_GetCurrentFrameNumber	The WinUsb_GetCurrentFrameNumber function gets the current frame number for the bus.
WinUsb_GetCurrentFrameNumberAndQpc	The WinUsb_GetCurrentFrameNumberAndQpc function retrieves the system query performance counter (QPC) value synchronized with the frame and microframe.
WinUsb_GetDescriptor	The WinUsb_GetDescriptor function returns the requested descriptor. This is a synchronous operation.
WinUsb_GetOverlappedResult	The WinUsb_GetOverlappedResult function retrieves the results of an overlapped operation on the specified file.
WinUsb_GetPipePolicy	The WinUsb_GetPipePolicy function retrieves the policy for a specific pipe associated with an endpoint on the device. This is a synchronous operation.

TITLE	DESCRIPTION
WinUsb_GetPowerPolicy	The WinUsb_GetPowerPolicy function retrieves the power policy for a device. This is a synchronous operation.
WinUsb_Initialize	The WinUsb_Initialize function creates a WinUSB handle for the device specified by a file handle.
WinUsb_QueryDeviceInformation	The WinUsb_QueryDeviceInformation function gets information about the physical device that is associated with a WinUSB interface handle.
WinUsb_QueryInterfaceSettings	The WinUsb_QueryInterfaceSettings function retrieves the interface descriptor for the specified alternate interface settings for a particular interface handle.
WinUsb_QueryPipe	The WinUsb_QueryPipe function retrieves information about the specified endpoint and the associated pipe for an interface.
WinUsb_QueryPipeEx	The WinUsb_QueryPipeEx function retrieves extended information about the specified endpoint and the associated pipe for an interface.
WinUsb_ReadIsochPipe	The WinUsb_ReadIsochPipe function reads data from an isochronous OUT endpoint.
WinUsb_ReadIsochPipeAsap	The WinUsb_ReadIsochPipeAsap function submits a request that reads data from an isochronous OUT endpoint.
WinUsb_ReadPipe	The WinUsb_ReadPipe function reads data from the specified pipe.
WinUsb_RegisterIsochBuffer	The WinUsb_RegisterIsochBuffer function registers a buffer to be used for isochronous transfers.
WinUsb_ResetPipe	The WinUsb_ResetPipe function resets the data toggle and clears the stall condition on a pipe.
WinUsb_SetCurrentAlternateSetting	The WinUsb_SetCurrentAlternateSetting function sets the alternate setting of an interface.
WinUsb_SetPipePolicy	The WinUsb_SetPipePolicy function sets the policy for a specific pipe associated with an endpoint on the device. This is a synchronous operation.
WinUsb_SetPowerPolicy	The WinUsb_SetPowerPolicy function sets the power policy for a device.
WinUsb_StartTrackingForTimeSync	The WinUsb_StartTrackingForTimeSync function starts the time synchronization feature in the USB driver stack that gets the associated system QPC time for USB bus frames and microframes.
WinUsb_StopTrackingForTimeSync	The WinUsb_StopTrackingForTimeSync function tops the time synchronization feature in the USB driver stack that gets the associated system QPC time for USB bus frames and microframes.

TITLE	DESCRIPTION
WinUsb_UnregisterIsochBuffer	The WinUsb_UnregisterIsochBuffer function releases all of the resources that WinUsb_RegisterIsochBuffer allocated for isochronous transfers. This is a synchronous operation.
WinUsb_WriteIsochPipe	The WinUsb_WriteIsochPipe function writes the contents of a caller-supplied buffer to an isochronous OUT endpoint, starting on a specified frame number.
WinUsb_WriteIsochPipeAsap	The WinUsb_WriteIsochPipeAsap submits a request for writing the contents of a buffer to an isochronous OUT endpoint.
WinUsb_WritePipe	The WinUsb_WritePipe function writes data to a pipe.

Structures

TITLE	DESCRIPTION
WINUSB_SETUP_PACKET	The WINUSB_SETUP_PACKET structure describes a USB setup packet.