

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 Appl...\sources	
1	TARGETNAME=AVR309
12	AVR309.rc \

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\sources	
1	TARGETNAME=IsoUsb
12	IsoUsb.rc \

2 differences (2 lines) found		
Added (0)	Deleted (0)	Changed (2)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 A...\ioctliso.c

```
49 ULONG
50 VendorCommand(
51     IN PDEVICE_OBJECT DeviceObject,
52     IN UCHAR Request,
53     IN USHORT Value,
54     IN USHORT Index,
55     PVOID ioBuffer,
56     IN ULONG ioBufferLength
57 )
58 {
59
60     NTSTATUS ntStatus;
61     PURB urb;
62
63     if (ioBufferLength>255) ioBufferLength=255; //hardw
64
65     urb = (PURB) ExAllocatePool(NonPagedPool, sizeof(str
66     if (urb)
67     {
68         UsbBuildVendorRequest(urb,
69             URB_FUNCTION_VENDOR_ENDPOINT,
70             sizeof(struct _URB_CONTROL_VENDOR_OR_C
71             (USB_D TRANSFER DIRECTION IN | USB_D SHC
72             0, // Reserved Bits
73             Request, // Request
74             Value, // Value
75             Index, // Index
76             ioBuffer, // Transfer Buffer
77             NULL, // TransferBufferMDL OPTIONAL
78             ioBufferLength, // Transfer Buffer
79             NULL); // Link OPTIONAL
80
81     ntStatus = IsoUsb CallUSB(D deviceObject, urb);
82
83     ExFreePool(urb);
84
85     if (NT_SUCCESS(ntStatus))
86         return(urb->UrbControlVendorClassRequest.Transfer
87     else
88         return(0);
89     }
90 else
91 {
92     KdPrint(("Error to allocate\n"));
93     return(0);
94 }
95 }
96 }
97
98
99
124 struct {
125     char fncnumber;
126     char param1;
127     char param2;
128 }*IgorbufferOut;
129 struct {
130     UCHAR fncnumber;
131     UCHAR param1Lo;
132     UCHAR param1Hi;
133     UCHAR param2Lo;
134     UCHAR param2Hi;
135 }*IgorbufferOutLong;
136
137 unsigned short param1;
138 unsigned short param2;
139 KdPrint(("inputBufferLength = %d , outputBufferLength
140 IgorbufferOut = ioBuffer;
141 IgorbufferOutLong = ioBuffer;
142
143 case 8:
144     if (inputBufferLength<3)
145         ntStatus = Irp->IoStatus.Status = STATUS
146         break;
```

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\ioctliso.c

```
130
131 case IOCTL_ISOUSB_RESET_PIPE:
132     PUSB_PIPE_INFORMATION pipe;
133     PFILE_OBJECT fileObject;
134
135     // get our context and see if it is a pipe
136     fileObject = irpStack->FileObject;
137
138     pipe = (PUSB_PIPE_INFORMATION) fileObject->
139
140     if(pipe == NULL) {
141         // error, this is not a pipe
142         ntStatus =
143         Irp->IoStatus.Status = STATUS_INVALID
144     } else {
145         IsoUsb_ResetPipe(DeviceObject, pipe, FALSE
146
147         ntStatus = Irp->IoStatus.Status = STATUS
148
149     }
```

18 differences (173 lines) found

Added(67)

Deleted(91)

Changed(15)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 A...\ioctliso.c

```
206     KdPrint(("Function8 number %d call with param1=
207     length = VendorCommand(DeviceObject,
208         IgorbufferOut->fncnumber,
209         IgorbufferOut->param1,
210         IgorbufferOut->param2,
211         ioBuffer,
212         outputBufferLength);
213     Irp->IoStatus.Information = length;
214     Irp->IoStatus.Status = STATUS_SUCCESS;
215     ntStatus = STATUS_SUCCESS;
216     KdPrint(("Length= %d\n",length));
218     case 0x800+8:
219         if (inputBufferLength<5)
220             {
222             break;
224             param1= IgorbufferOutLong->param1Hi;
225             param1<=8;
226             param1|=IgorbufferOutLong->param1Lo;
227             param2= IgorbufferOutLong->param2Hi;
228             param2<=8;
229             param2|=IgorbufferOutLong->param2Lo;
230
231             KdPrint(("FunctionLong number %d call with param
232             length = VendorCommand(DeviceObject,
233                 IgorbufferOutLong->fncnumber,
234                 param1,
235                 param2,
236                 ioBuffer,
237                 outputBufferLength);
239             Irp->IoStatus.Status = STATUS_SUCCESS;
240             ntStatus = STATUS_SUCCESS;
241             KdPrint(("Length= %d\n",length));
```

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\ioctliso.c

```
152
153
154     case IOCTL_ISOUSB_GET_CONFIG_DESCRIPTOR:
155
156         //
157         // This api returns a copy of the configuration
158         // and all endpoint/interface descriptors.
159         //
160         //
161         // inputs - none
162         // outputs - configuration descriptor plus inter
163         //           and endpoint descriptors
164         //
165
166         pch = (PUCHAR) ioBuffer;
167
168         configurationDescriptor =
169             deviceExtension->UsbConfigurationDescriptor;
170
171         if (configurationDescriptor) {
172             length = configurationDescriptor->wTotalLeng
173
174             if ( outputBufferLength < length ) { // make
175                 Irp->IoStatus.Information = 0;
176
177             }
178
179         else {
180             RtlCopyMemory(pch,
181                 (PUCHAR) configurationDesc
182                 length);
183
184
185
187
188         ntStatus = Irp->IoStatus.Status = STATUS
189     }
190     }
191     else {
192
193         Irp->IoStatus.Information = 0;
194
195         ntStatus = Irp->IoStatus.Status = STATUS DEV
196     }
197
198     break;
199
200     case IOCTL_ISOUSB_START_ISO_STREAM:
201
202         ntStatus = IsoUsb_StartIsoStream(DeviceObject, I
203         break;
204
205     case IOCTL_ISOUSB_STOP_ISO_STREAM:
206
207         ntStatus = IsoUsb_StopIsoStream(DeviceObject,
208             *((PVOID *) ioBuffer), // a PISC
209             Irp);
210         break;
211
212
213     case IOCTL_ISOUSB_RESET_DEVICE:
214
215         ntStatus = IsoUsb_ResetDevice( DeviceObject );
216
217
218
```

18 differences (173 lines) found

Added (67)

Deleted (91)

Changed (15)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 App...\isopnp.c		C:\NTDDK\srcOrig\wdm\usb\isousb\sys\isopnp.c	
76	UNICODE_STRING DeviceLinkUnicodeString;		
77	WCHAR DeviceLinkName[] = L"\\DosDevices\\AVR309USB 0		
374	RtlInitUnicodeString (&DeviceLinkUnicodeString,		
375	IoDeleteSymbolicLink(&DeviceLinkUnicodeString);		
564	// try to power up device	560	// try to power down device until IO actually re
565	ISOUSB KdPrint(DBGLVL DEFAULT, ("IsoUsb PnPAddDevice	561	actStat = IsoUsb SelfSuspendOrActivate(deviceOb
566	actStat = IsoUsb_SelfSuspendOrActivate(deviceObject		

4 differences (7 lines) found

Added (0)

Deleted (5)

Changed (2)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 App...\isopwr.c	C:\NTDDK\srcOrig\wdm\usb\isousb\sys\isopwr.c
	575 // don't auto-suspend if any pipes are open
	576 if (fSuspend && (0 != deviceExtension->OpenPipeCou
	577 ISOUSB_KdPrint(DBGLVL_MAXIMUM, ("Exit IsoUsb_Sel
	578 return ntStatus;
	579 }
	580
	581 // don't auto-activate if no pipes are open
	582 if (!fSuspend && (0 == deviceExtension->OpenPipeCo
	583 ISOUSB_KdPrint(DBGLVL_MAXIMUM, ("Exit IsoUsb_Sel
	584 return ntStatus;
	585 }

1 differences (11 lines) found

Added (11)

Deleted (0)

Changed (0)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 App...\isousb.c

323 UNICODE_STRING pdoUniCodeName;
324 WCHAR pdoName[] = L"\\Device\\AVR309USB 0";
325
326 UNICODE_STRING DeviceLinkUniCodeString;
327 WCHAR DeviceLinkName[] = L"\\DosDevices\\A
328
329 RtlInitUnicodeString (&pdoUniCodeName, pdoName); //
330
350 &pdoUniCodeName,
352 0,
374 RtlInitUnicodeString (&DeviceLinkUniCodeString,
375 ntStatus = IoCreateSymbolicLink(&DeviceLinkUniC
567 siz = sizeof(USB_CONFIGURATION_DESCRIPTOR) + 128;

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\isousb.c

95 // User mode ReadFile()/WriteFile() calls will be r
96 DriverObject->MajorFunction[IRP_MJ_WRITE] = IsoUsb_
97 DriverObject->MajorFunction[IRP_MJ_READ] = IsoUsb_R
98

346 NULL,
348 FILE_AUTOGENERATED_DEVICE_NAME

561 siz = sizeof(USB_CONFIGURATION_DESCRIPTOR) + 512;

6 differences (17 lines) found

Added (4)

Deleted (10)

Changed (3)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 Ap...\iusbdbg.c

```
51 //int gDebugLevel = DBGLVL_DEFAULT ;  
52 int gDebugLevel = DBGLVL_MAXIMUM ;
```

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\iusbdbg.c

```
51 int gDebugLevel = DBGLVL_DEFAULT ;
```

2 differences (2 lines) found

Added (0)

Deleted (1)

Changed (1)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 Ap...\ocrwiso.c
640 // actStat = IsoUsb_SelfSuspendOrActivate(DeviceOk

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\ocrwiso.c
640 actStat = IsoUsb_SelfSuspendOrActivate(DeviceObjec

1 differences (1 lines) found

Added (0)

Deleted (0)

Changed (1)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 Ap...\iusbdbg.h

55 #define DBGSTR_PREFIX "AVR309USB: "
61 L"\\REGISTRY\\Machine\\System\\CurrentControlSet\\SE

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\iusbdbg.h

55 #define DBGSTR_PREFIX "IsUsb: "
61 L"\\REGISTRY\\Machine\\System\\CurrentControlSet\\SE

2 differences (2 lines) found

Added (0)

Deleted (0)

Changed (2)

X:\USERS\IGOR\DOC\WORD\Atmel\USB to RS232 Ap...\AVR309.rc

```
1 // Resource script for AVR309-USB driver
2
3 #include <windows.h>
4
5 LANGUAGE LANG_ENGLISH, SUBLANG_NEUTRAL
6
7
8 VS_VERSION_INFO VERSIONINFO
9     FILEVERSION 2,1,0,0
10    PRODUCTVERSION 2,1,0,0
11    FILEFLAGSMASK 0x3fL
12    #ifdef _DEBUG
13        FILEFLAGS 0x1L
14    #else
15        FILEFLAGS 0x0L
16    #endif
17    FILEOS 0x40004L
18    FILETYPE 0x1L
19    FILESUBTYPE 0x0L
20 BEGIN
21     BLOCK "StringFileInfo"
22     BEGIN
23         BLOCK "040904b0"
24         BEGIN
25             VALUE "Comments", "Windows driver for AVR309:"
26             VALUE "CompanyName", "author Ing. Igor Cesko"
27             VALUE "FileDescription", "Win98/XP driver for"
28             VALUE "FileVersion", "1.0.0.0\0"
29             VALUE "InternalName", "AVR309USB_0\0"
30             VALUE "LegalCopyright", "free application not"
31             VALUE "LegalTrademarks", "Atmel corporation\0"
32             VALUE "OriginalFilename", "AVR309.sys\0"
33             VALUE "ProductName", "AVR interface AVR309-US"
34             VALUE "ProductVersion", "1.0.0.0\0"
35         END
36     END
37     BLOCK "VarFileInfo"
38     BEGIN
39         VALUE "Translation", 0x409, 0x4b0
40     END
41 END
42
43
```

C:\NTDDK\srcOrig\wdm\usb\isousb\sys\isousb.rc

```
1 #include <windows.h>
2
3 #include <ntverp.h>
4
5 #define VER_FILETYPE VFT_DLL
6 #define VER_FILESUBTYPE VFT2_UNKNOWN
7 #define VER_FILEDESCRIPTION_STR "I82930 Isochronous I
8 #define VER_INTERNALNAME_STR "IsoUsb.sys"
9 #define VER_ORIGINALFILENAME_STR "IsoUsb.sys"
10
11 #include "common.ver"
12
```

13
14

5 differences (44 lines) found

Added (7)

Deleted (36)

Changed (1)