

ULONG* pGateway,
WORD* pPort,
BYTE* pMac);

Return Value:

If the function succeeds, the return value is 1.

If the function fails, the return value is zero.

Parameters:

WORD DeviceIndex, The current device index

ULONG* pIP, IP address, Example: 192.168.1.1, *pIP = 0xC0A80101

ULONG* pSubnetMask, Example: 255.255.255.0, *pSubnetMask = 0xFFFFFFFF00

ULONG* pGateway, Example: 192.168.1.1, *pGateway = 0xC0A80101

USHORT* pPort, the port , Example: 1 ~ 65535

BYTE* pMac, MAC address

Remarks:

Get the device network parameters under USB communication

3. Change USB communication to NETWORK communication

DLL_API WORD WINAPI dsoOpenLan(WORD DeviceIndex,
WORD nMode);

Return Value:

If the function succeeds, the return value is nonzero.

If the function fails, the return value is zero.

Parameters:

WORD DeviceIndex, The current device index

WORD nMode, LAN or WIFI, if LAN, nMode = 0, if WIFI , nMode = 1

Remarks:

When switch to network mode, please invoke this function to notify the device to switch communication mode first. If switching to WIFI mode, please wait for about 90 seconds after invoke this function to ensure WIFI start –up already.

4. Set the device network parameters under network communication

DLL_API WORD WINAPI dsoLANModeSetIPAddr(WORD DeviceIndex,
ULONG nIP,
ULONG nSubnetMask,
ULONG nGateway,
USHORT nPort,
BYTE* pMac);

Remarks: the same as function dsoUSBModeSetIPAddr

5. Get the device network parameters under network communication

```

DLL_API WORD WINAPI dsoLANModeGetIPAddr(WORD DeviceIndex,
                                           ULONG* pIP,
                                           ULONG* pSubnetMask,
                                           ULONG* pGateway,
                                           USHORT* pPort,
                                           BYTE* pMac);

```

Remarks: the same as function dsoUSBModeGetIPAddr

- 6.** When LAN and WIFI mode switching with each other, need to invoke the following function:

```

DLL_API WORD WINAPI dsoLANOpenConnet(WORD DeviceIndex,
                                       WORD nMode);

```

Return Value:

If the function succeeds, the return value is nonzero.

If the function fails, the return value is zero.

Parameters:

WORD DeviceIndex, The current device index

WORD nMode, LAN or WIFI, if LAN, nMode = 0, if WIFI , nMode = 1

Remarks:

When the communication mode switching, please invoke this function to notify the device to switch communication mode first. If switching to WIFI mode, please wait for about 90 seconds after invoke this function to ensure WIFI start –up already.

- 7.** In network mode, judge network connection is workable or not, please use following method:

```

DLL_API WORD WINAPI dsoLANGetRestartLANStatus(WORD DeviceIndex);

```

Return Value:

If the function succeeds, the return value is nonzero.

If the function fails, the return value is zero.

Parameters:

WORD DeviceIndex, The current device index

Remarks:

In network mode, can invoke this function to judge the network connection work or not.

- 8.** In network mode, invoke following function to initialize the network connection.

```

DLL_API WORD WINAPI dsoLANInitSocket(WORD DeviceIndex,
                                       USHORT* pIP,
                                       USHORT iPort);

```

Return Value:

If the function succeeds, the return value is nonzero.

If the function fails, the return value is zero.

Parameters:

WORD DeviceIndex, The current device index

USHORT* pIP, IP address, Example: IP = { 192,168,1,1 }

USHORT iPort, The port

Remarks:

In network mode, can invoke this function to judge the network connection work or not.

9. Close network connection

DLL_API WORD WINAPI dsoLANClose(WORD DeviceIndex);

Return Value:

If the function succeeds, the return value is nonzero.

If the function fails, the return value is zero.

Parameters:

WORD DeviceIndex, The current device index

Remarks:

To close network connection under LAN communication

Other:

The other hardware functions settings in the USB communication mode and network mode, except the function name different, all the others (like Parameters and Return Value) are same. Please refer to HTHardDll.h and HTLANDll.h. Usage details please refer to Demo examples.