



Ether command usage

Version: 1.0
Release date: 2011-12-22

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Document Revision History

Revision	Date	Author	Description

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1 ethphxcmd ifname vlanpt Command

【COMMAND PURPOSE】 this command enable/disable/query the network interface

【COMMAND SYNTAX】 **ethphxcmd** {ifname} **vlanpt** {enable/disable/query}

【DESCRIPTION】 none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>ifname</i>	Network interface name, e. g. :eth0,eth1	compulsory
<i>enable</i>	Enable the interface	optional
<i>disable</i>	disable the interface	optional
<i>query</i>	Query the state of interface	optional

【NOTICE】 the chipset of interface **ifname** must be switch

【EXAMPLE】

ethphxcmd eth0 vlanpt enable

2 ethphxcmd ifname lanchip Command

【COMMAND PURPOSE】 this command disables certain port of a interface

【COMMAND SYNTAX】 **ethphxcmd {ifname} lanchip [enable/disable] [port {portnum}]**

【DESCRIPTION】 : none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>ifname</i>	Network interface name, e. g. :eth0,eth1	compulsory
<i>enable</i>	enable	optional
<i>disable</i>	disable	optional
<i>portnum</i>	Network interface number(0-3)	optional

【NOTICE】 : none

【EXAMPLE】

This command has two functions:

1. enable/disable all ports of a interface

ethphxcmd eth0 lanchip enable

2. enable/disable one port of a interface

ethphxcmd eth0 lanchip enable port 1

3 ethphxcmd version Command

【COMMAND PURPOSE】 this command displays **ethphxcmd** module version

【COMMAND SYNTAX】 **ethphxcmd** [*version*]

【DESCRIPTION】 none

【PRECONDITION】 none

【PARAMETERS】

Parameters	Description	Notice
<i>version</i>	display ethphxcmd module version	compulsory

【NOTICE】 none

【EXAMPLE】

ethphxcmd version

4 ethphxcmd addwan Command

【COMMAND PURPOSE】 this command creates a wan interface

【COMMAND SYNTAX】 **ethphxcmd addwan** {vlanid|4095} {ifxname|nas0} {vlanpriority}

【DESCRIPTION】 none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>vlanid</i>	Adding vlanid (1 ~ 4094) for a wan interface 4095: implies this interface does not take vlan	compulsory
<i>ifxname</i>	Interface name	compulsory
<i>vlanpriority</i>	Vlan priority (0 ~ 7)	compulsory

【NOTICE】

For wan interface without vlan, ifxname must be nas0, vlanid must be 4095 .

【EXAMPLE】

1. adding a WAN interface named nas6, with vlanid 6 , vlan priority 0:

```
ethphxcmd addwan 6 nas6 0
```

2. adding a wan interface without vlan

```
ethphxcmd addwan 4095 nas0 0
```

5 ethphxcmd delwan Command

【COMMAND PURPOSE】 this command deletes a wan interface

【COMMAND SYNTAX】 **ethphxcmd delwan** {ifxname}

【DESCRIPTION】 none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>ifxname</i>	Interface name	compulsory

【NOTICE】 none

【EXAMPLE】

1. delete the wan interface named nas6:

```
ethphxcmd delwan nas6
```


6 ethphxcmd help Command

【COMMAND PURPOSE】 this command displays help info for ethphxcmd software module

【COMMAND SYNTAX】 **ethphxcmd** [*help*]

【DESCRIPTION】 none

【PRECONDITION】 none

【PARAMETERS】

Parameters	Description	Notice
<i>help</i>	displays help info for ethphxcmd software module	compulsory

【NOTICE】 : none

【EXAMPLE】

ethphxcmd help

7 ethphxcmd ifname media-type Command

【COMMAND PURPOSE】 this command gets/sets the media type

【COMMAND SYNTAX】 **ethphxcmd** {ifname} **media-type** [option] [port {portnum}]

【DESCRIPTION】 none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>ifname</i>	Network interface name, e. g. :eth0,eth1	compulsory
<i>option</i>	Working mode:auto - auto select 100FD - 100Mb, Full Duplex 100HD - 100Mb, Half Duplex 10FD - 10Mb, Full Duplex 10HD - 10Mb, Half Duplex	optional
<i>portnum</i>	Network interface number(0-3)	optional

【NOTICE】

If the interface type is **Ethernet Switch** , the parameter port is compulsory

【EXAMPLE】

1. get the media type: ethphxcmd eth0 media-type port 1

8 ethphxcmd ifname reset Command

【COMMAND PURPOSE】 this command soft restarts the interface port

【COMMAND SYNTAX】 **ethphxcmd** {*ifname*} **reset** [**port** {*portnum*}]

【DESCRIPTION】 none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>ifname</i>	Network interface name, e. g. :eth0,eth1	compulsory
<i>portnum</i>	Network interface number(0-3)	optional

【NOTICE】

If the interface type is **Ethernet Switch** , the parameter port is compulsory

【EXAMPLE】

1. soft restarts port 1:

ethphxcmd eth0 reset port 1

9 ethphxcmd ifname status Command

【COMMAND PURPOSE】 this command gets the link status of a interface

【COMMAND SYNTAX】 **ethphxcmd {ifname} status [port {portnum}]**

【DESCRIPTION】 none

【PRECONDITION】 network chip has been initialized

【PARAMETERS】

Parameters	Description	Notice
<i>ifname</i>	Network interface name, e. g. :eth0,eth1	compulsory
<i>portnum</i>	Network interface number(0-3)	optional

【NOTICE】 none

【EXAMPLE】

1. fetch the link status of interface 1 with the following command:

ethphxcmd eth0 status port 1