

ZyXEL ZyNOS V3.30(DB.0)C0 for VES-1012

Release Note /Manual Supplement

Date: January, 22, 2002

Version:

F/W Version: V3.30(DB.0)C0 | 1/22/2002

Features:

1. VDSL ports support RFC 1483 Bridge Mode.
2. Support port-based VLAN.
3. Firmware upgrade and configuration backup/restore.
4. Remote manageable.
5. SNMP manageable.
6. System error log mechanism to log system events locally.
7. One DB-9F RS-232 port for configuration
8. Two RJ-45 10/100M Auto-negotiating 10/100M Fast Ethernet ports with LEDs for uplink connection.
9. Built-in Fans for lowering the temperature
10. Surge Protection to prevent lightening damage
11. Temperature Sensor for monitoring
12. Hardware ALARM contact for over temperature, voltage or fan alarm.

Wish List:

Know Problem List:.

Major Changes:

Minor Changes:

New Features:

Bugs Fixed:

New CLI Commands to Previous Versions:

Change History:

V3.30(DB.0)C0 (2002/1/22):

First public version.

Manufactory Data in Bootbase

ZyNOS Version	V3.30(DB.0) 01/22/2002 16:34:00
Bootbase Version	V1.0 4/18/2001 11:14:16
Vendor Name	ZyXEL
Product Model	VES-1012
ZyNOS Code Model	RAS
HTP Code Model	HTP_VESI V 0.34
ZyNOS ROM address	06008000
System Type	5
MAC Address	00A0C5xxxxxx
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	A9
RomFile Checksum	4a0e
ZyNOS Checksum	8385
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
A0 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 01 33 00 00 00	

VDSL Driver and C/I Commands

All VDSL related commands are listed here.

vdsl uprate chan-id (x)	Setup VDSL upstream rate(0..4)
vdsl downrate chan-id (y)	Setup VDSL downstream rate(0..4)
vdsl auto chan-id [on off]	Setup VDSL Auto Flag
vdsl mem chan-id [lt nt] addr [len]	Dump VDSL Chip Internal Registers
vdsl patch chan-id [lt nt]	Perform patch to VDSL Chip
vdsl reset chan-id [lt nt]	Reset VDSL Chip
vdsl reconnect chan-id	Make VDSL Reconnect
vdsl clear chan-id	Clear VDSL related counters
vdsl debug chan-id [on off]	Setup VDSL debug flag
vdsl monitor chan-id [on off]	Setup VDSL Monitor flag
vdsl status chan-id	Show VDSL Status Counters
vdsl show chan-id	Show VDSL Settings
vdsl write chan-id [lt nt] addr value	Write VDSL Register with value
vdsl mode chan-id (mode)	Change VDSL Mode (0=10BaseS, 1=ANSI, 2=ETSI)
vdsl active chan-id [on off]	Active/Deactive VDSL driver
vdsl autoupd chan-id [on off]	Enable/Disable NT Modem F/W auto upgrade
vdsl ver	Show VDSL driver version
vdsl ntinfo chan-id	Display NT information from NT EEPROM
vdsl enet status chan-id	Show Ethernet Status Counters
vdsl enet clear chan-id	Clear Ethernet Status Counters
vdsl enet monitor chan-id [on off]	Setup VDSL Chip Ethernet Monitor flag
vdsl enet fctrl chan-id [on off]	Set NT Ethernet Port Flow Control
vdsl enet speed chan-id (speed)	Set NT Ethernet Speed (0=Auto, 1=10H, 2=10F, 3=100H, 4=100F)
vdsl enet phy chan-id	Dump NT Ethernet PHY registers

Switch C/I Command Listing:

Command name	Usage example	Explain
sw vlan set n all n1 [n2 n3 ...]	1 sw vlan set 13 all 2 sw vlan set 13 1 14	1. To set all ports to be vlan membership of port 13. 2. To set ports 1 and 14 to be vlan membership of port 13.
sw vlan clear all n all n1 n2	1. sw vlan clear all 2. sw vlan clear 13 1 2	1. To clear the all vlan setting. 2. To remove vlan membership port 1 and 2 from port 13.
sw vlan status		To see current vlan setting.
sw mib status n	sw mib status 13	To see the mib counter of port 13 of switch.
sw mib clear n all	sw mib clear 13	To clear the mib counter of port 13 of switch.
sw port status		To see the status of each port.
sw mac address		To see number and content of learned MAC address.
sw mac status		To see the setting of MAC learning.
sw mac learn n on off	1. sw mac learn 13 on 2. sw mac learn 13 off	1. Enable MAC learning operation of port 13. 2. Disable MAC learning operation of port 13.
sw mac num		To see the number of learned MAC address.