

Firmware Release Note

Product Name:	VES-1724-56B2
Firmware Version:	V1.00(AARC.12)C0
Release Date:	2020/07/09

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Revision History

Date	Release	Author	Description
2016/11/10	1.00.6 b1	Janice	FW release for V1.00(AARC.6)b1
2016/11/22	1.00.6 C0	Janice	FW release for V1.00(AARC.6)C0
2017/02/20	1.00.7 b1	Nia	FW release for V1.00(AARC.7)b1
2017/03/14	1.00.7 b2	Nia	FW release for V1.00(AARC.7)b2
2017/03/21	1.00.7 b3	Nia	FW release for V1.00(AARC.7)b3
2017/03/21	1.00.7 C0	Nia	FW release for V1.00(AARC.7)C0
2017/04/10	1.00.8 b1	Nia	FW release for V1.00(AARC.8)b1
2017/04/26	1.00.8 b2	Nia	FW release for V1.00(AARC.8)b2
2017/04/28	1.00.8 b3	Nia	FW release for V1.00(AARC.8)b3
2017/04/28	1.00.8 C0	Nia	FW release for V1.00(AARC.8)C0
2017/10/13	1.00.8 1013	ChunMin	FW release for V1.00(AARC.8)1013
2017/10/20	1.00.8 1020	ChunMin	FW release for V1.00(AARC.8)1020
2017/11/24	1.00.9 b1	ChunMin	FW release for V1.00(AARC.9)b1
2017/12/20	1.00.9 b2	ChunMin	FW release for V1.00(AARC.9)b2
2017/12/27	1.00.9 C0	ChunMin	FW release for V1.00(AARC.9)C0
2018/8/1	1.00.10 b1	Toothp	FW release for V1.00(AARC.10)b1
2018/8/16	1.00.10 b2	Toothp	FW release for V1.00(AARC.10)b2
2018/8/27	1.00.10 C0	Toothp	FW release for V1.00(AARC.10)C0
2019/12/18	1.00.11 C0	Nia	FW release for V1.00(AARC.11)C0
2020/03/09	1.00.12 b1	Nia	FW release for V1.00(AARC.12)b1
2020/06/16	1.00.12 b2	Nia	FW release for V1.00(AARC.12)b2
2020/07/09	1.00.12 C0	Nia	FW release for V1.00(AARC.12)C0

Supported Platform

V1.00(AARC.12)C0 supports model: VES-1724-56B2

Version Information

Firmware:

ZyNOS Version : V1.00(AARC.12)C0 | 07/09/2020 11:41:41
Bootbase Version : V1.01 | 08/19/2015 15:58:50
Serial Number : xxxxxxxxxxxxxxxx
Vendor Name : ZyXEL
Product Model : VES17!!-56B2
ZyNOS Code Model : VES17XX-56
HTP Code Model : Unknown
ZyNOS ROM address : bc0c0000
System Type : 8
First MAC Address : CC5D4E000001
Last MAC Address : CC5D4E000033
MAC Quantity : 51
Default Country Code : FF
Boot Module Debug Flag : 01
RomFile Version : EF
RomFile Checksum : 5ad5
ZyNOS Checksum : 41ef
SNMP MIB level & OID : 060102030405060708091011121314151617181920
Main Feature Bits : C0
Other Feature Bits :
A6 02 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
02 00 00 00 00 00 00 00 00-00 10 00 00 00 00

Known Issue

1. SPRID 130731728 : Cannot limit the ARP(CPU'sMAC) to avoid the CPU utilization to high.
2. SPRID 130731747 : Enable static Trunk or LACP on 25,26 ports, then source connect

to port 26, The Port of Multicast querier source IP displayed "25-T1".

3. On internal loopback of VDSL port, it may be failed causing by busy CPU traffic and system takes about 30sec to recovery normal status.
4. On internal loopback of VDSL port, after done, MAC address is flush on the port.
5. [Errdisable]There is an initial tolerance value about limit value when rate limit enable.
6. ADSL Fallback Packet Filter failed when the port receive tagged packet or configured with vlan stacking. (SPR 150914207)
7. ADSL Fallback Packet Filter only support on PVC. IP-PVC and PAE-PVC not support.
8. On port's counters, the unicast, multicast and broadcast counter only calculate packet size between 64 and 1522. The other size not included on unicast, multicast or broadcast counter.
9. Sending ARP, BPDU, NDP, ICMP(Black-Nurse) packet, to uplink port,use errdisable-ARP, BPDU, NDP, ICMP rate-limit mode affect service running. This is HW limitation.
10. Nessus Scan has two issues "SSL self-sign" and "certificate cannot be trust"

Modifications in V1.00(AARC.12)C0 – 2020.07.09

1. Base on V1.00(AARC.12)b3 to release V1.00(AARC.12)C0

[New]

1. [PPPoE/DHCP Snooping/Relay]Modify the current Circuit ID and Remote ID design to be the same as IES4105M.

[Change]

[Fix]

1. ITS # 200603197: Problem with VES1724-56b2 power cycle.

Modifications in V1.00(AARC.11)C0 – 2019.12.18

1. Base on V1.00(AARC.10)C0 to release V1.00(AARC.11)C0

[New]

[Change]

[Fix]

1. ITS 190100334: Description Port Isolation "Enhanced" VES 1724-55C
2. ITS 190200671: Log IN PP1b dhcpCIntRx address is not in LAN VES 1724-55C

3. ITS 190100575: VES1724 series forward IPv6 multicast traffic at RSTP blocking port.
4. ITS 190801202: Port sync although port is disabled VES 1724-55C.
5. ITS 190801170: ADSL/VDSL Protocol will not correct backup VES 1724-55C
6. ITS 191000350: COE works no longer correct after FW update VES 1724-55C.
7. ITS 191000359: I cannot access VES 1724-55C via SNMP after FW upgrading.
8. ITS 191000389: VES1724-55C Date FW V1.00(AATL.9)_0918 backup config is different form V1.00(AATL.9)C0
9. ITS 190801200: Wrong DSL port sync after VDSL Profile change VES 1724-55C
10. ITS 191000420: Automatic Restarts after several month VES 1724-55C

Modifications in V1.00(AARC.10)C0 – 2018.08.20

1. Base on V1.00(AARC.10)b2 to release V1.00(AARC.10)C0

[New]

ITS 180101065: Install / Import a SSL certificate and key.

[Change]

ITS 180300236: VES1724] How to prevent Loop at two different DSL port

ITS 180300376: simply limit max history of command from 256 to 20 per customer request.

[Fix]

ITS 180600204: VDSL init fail reason display incorrect as nopeervtur

SPR: 180315136, 180808112, 180809169, 180810191, 180814206, 180530345

Modifications in V1.00(AARC.9)C0 – 2017.12.27

1. Base on V1.00(AARC.9)b2 to release V1.00(AARC.9)C0

[New]

1. SPR 170413551/170427677/170428757: Add SFTP/TFTP client mib.
2. Add device protocol stack support, IPv4/IPv6 only or dual-stack.
3. Add dhcpv6 client.
4. [Internal-Add]Add a "sys mrd atwz" debug command for product line.
5. ITS 170800714: Add a "sys mrd atsn" debug command to modify serial Number.
6. ITS 170100777: Add OAM ping.
7. ITS 170800665: Request for additional features at L2 BSA different COE systems.

[Change]

1. logging when:
 - (1) System log deletion (if log can be deleted).
 - (2) Authentication setting modification (if supported authentication and authorization with RADIUS or TACACS+)
 - (3) The mirror command (if supported) execution event log.
 - (4) Firmware update event log.
2. SPR 170622727: Modify ZyXEL mark to Zyxel brand2.0.

[Fix]

1. ITS 170500305, Add help description "Zyxel default config" in "erase running-config <cr>" command.
2. ITS 170600727: System cannot backup config.
3. ITS 170700798: SSH server cannot connect via OpenSSH v7.2 client.
4. ITS 170800089: "show vlan counter" Tx distribution cannot count normally.
5. ITS 170900854: SNMP response works no longer VES 1724-55C
6. ITS 170900356: After ARP inspection enabled is the VES no longer reachable VES 1724-55C.
7. ITS 170600661: VES 1724-56 Status is not correct on Netatlas EMS.

Modifications in V1.00(AARC.8)1020 – 2017.10.20

1. Base on V1.00(AARC.8)1013 to release V1.00(AARC.8)1020

[New]

[Change]

[Fix]

1. SPR 171013083, [MIB]xdsl2ChConfProfGinpRtxModeDs/Us get wrong data type let setting fail.

Modifications in V1.00(AARC.8)1013 – 2017.10.13

1. Base on V1.00(AARC.8)C0 to release V1.00(AARC.8)1013

[New]

[Change]

[Fix]

1. ITS 170600727, System cannot write-memory successful.
2. ITS-170301009:[EMS] Not possible to send a xDSL2 Line Profile with German setting.
3. ITS-170900854 SNMP response works no longer VES 1724-55C

Modifications in V1.00(AARC.8)C0 – 2017.04.28

1. Base on V1.00(AARC.8)b3 to release V1.00(AARC.8)C0

[New]

1. Add IPv6 Source Guard CLI/WEB/MIB.
2. Add NDP Inspection.
3. Add SFTP Server/Client.
4. The administrator username "admin" is config-able.
5. Add SFTP client mib. Can put config/logging and get config.

[Change]

1. Enlarge number of per-port protobased-vlan setting from 7 to 8.
2. Add syslog when erase running-config and create/modify/delete account and password, remote management, service control, syslog, timesync, DNS, snmp-server.
3. SPR 170410253, Add DHCPv6-PD(Prefix) on DHCPv6 snooping & IPv6 SG Static Binding.
4. ITS 170400452, Enlarge system contact and location to maximum 128 characters.
5. NTP support option from RFC-1305 to RFC-5905 on Web.
6. MIB support modifying admin username and password.

[Fix]

1. ITS 170200606, CSRF and Reflected XSS vulnerability.

Modifications in V1.00(AARC.7)C0 – 2017.03.21

1. Base on V1.00(AARC.7)b3 to release V1.00(AARC.7)C0

[New]

1. Add backup system logging via Web.
2. Add NDP for errdisable.
3. Add Auto-Save config CLI/WEB/MIB

[Change]

1. Enlarge SNMP Get/Set/Trap community string length from 32 to 127.

2. Add a generator "DSA" key option for DH parameter, this could be improve generate speed.

[Fix]

1. ITS 1702000563, Format string vulnerability of ZyNOS.
2. ITS 161100589, Add errdisable cpu-protection ICMP packet support to avoid "BlackNurse" DoS attack.
3. ITS 161000220, Feature request to support more size (up to 96) to create channel profile and line template. (current size is 60).

Modifications in V1.00(AARC.6)C0 – 2016.11.22

1. Base on V1.00(AARC.6)b1 to release V1.00(AARC.6)C0

[New]

1. ITS 160300428: On web, add privilege setting.

[Change]

1. [Modify] the modem code change to 10.8.96

[Fix]

1. ITS 160300328: On the classifier, source port description is not clearly.
2. ITS 160100713: Add Tx/Rx packet bytes per second support from MIB.
3. ITS 160300428: On web, add privilege setting.
4. ITS 161000545: Paste command but get the unsorted return and crash sometimes.
5. ITS 160800217: Automatic Reboot with latest FW version VES 1724-56B2
6. Reduce the number of Nessus severity issues.

Features

Items	Any change?	Comments
Modem code	10.08.96	modem code change from 10.08.48 to 10.08.96 on version 1.00(AARC.6)b1
Wireless driver		

Items	Any change?	Comments
Modem code	10.08.96	modem code change from 10.08.48 to 10.08.96 on version 1.00(AARC.6)b1
Dying gasp		
LED behavior		
FAN speed control		
Temperature sensor control		
Others		

Firmware Upgrade

The VES-1724-56B2 uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, [ftp.exe](#) in Windows) to upgrade VES1724-56B2. The upgrade procedure is as follows:

Upgrade VES1724-56B2 FW:

```
C:\> ftp <VES1724-56B2 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 1.00(AARC.12)C0.bin ras-0 (ras-1)
ftp> bye
```

Where

- User name : admin, default account "admin"
- Password : the management password, 1234 by default
- 1.00(AARC.12)C0.bin : the name of firmware file you want to upgrade
- ras-0/1: the internal firmware name in VES1724-56B2

Configuration Upgrade

The VES1724-56B2 uses FTP to upgrade configuration in run-time through its built-in FTP server. You can use any FTP client (for example, [ftp.exe](#) in Windows) to upgrade VES1724-56B2. The upgrade procedure is as follows:

Upgrade VES1724-56B2 configuration:

```
C:\> ftp <VES1724-56B2 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 1.00(AARC.12)C0.rom rom-0
ftp> bye
```

Where

- User name : admin, default account "admin"
- Password : the management password, 1234 by default
- 1.00(AARC.12)C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in VES1724-56B2

MIB support

Test Items