

## Firmware Release Note

Product Name:	VES-1724-55C
Firmware Version:	V1.00(AATL.9)C0
Release Date:	2018/8/27

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## Revision History

Date	Release	Author	Description
2016/4/8	1.00.5 b1	Janice	FW release for V1.00(AATL.5)b1
2016/4/27	1.00.5 b2	Janice	FW release for V1.00(AATL.5)b2
2016/8/29	1.00.5 b3	Janice	FW release for V1.00(AATL.5)b3
2016/9/20	1.00.5 b4	Nia	FW release for V1.00(AATL.5)b4
2016/9/26	1.00.5 C0	Janice	FW release for V1.00(AATL.5)C0
2017/2/20	1.00.6 b1	Janice	FW release for V1.00(AATL.6)b1
2017/3/14	1.00.6 b2	Janice	FW release for V1.00(AATL.6)b2
2017/3/21	1.00.6 b3	Janice	FW release for V1.00(AATL.6)b3
2017/3/23	1.00.6 C0	Janice	FW release for V1.00(AATL.6)C0
2017/4/10	1.00.7 b1	Janice	FW release for V1.00(AATL.7)b1
2017/4/26	1.00.7 b2	Janice	FW release for V1.00(AATL.7)b2
2017/4/28	1.00.7 b3	Janice	FW release for V1.00(AATL.7)b3
2017/4/28	1.00.7 C0	Janice	FW release for V1.00(AATL.7)C0
2017/11/24	1.00.8 b1	Nia	FW release for V1.00(AATL.8)b1
2017/12/20	1.00.8 b2	Nia	FW release for V1.00(AATL.8)b2
2017/12/27	1.00.8 C0	Nia	FW release for V1.00(AATL.8)C0
2018/8/1	1.00.9 b1	Toothp	FW release for V1.00(AATL.9)b1
2018/8/16	1.00.9 b2	Toothp	FW release for V1.00(AATL.9)b2
2018/8/27	1.00.9 C0	Toothp	FW release for V1.00(AATL.9)C0

## Supported Platform

V1.00(AATL.9)b1 supports model: VES-1724-55C

## Version Information

Firmware:

ZyNOS Version : V1.00(AATL.9)C0 | 08/27/2018 15:18:45  
Bootbase Version : V0.2 | 05/12/2014 16:38:26  
Serial Number : xxxxxxxxxxxxxxxx  
Vendor Name : ZyXEL  
Product Model : VES1724-55C  
ZyNOS Code Model : VES17XX-55C  
HTP Code Model : Unknown  
ZyNOS ROM address : bc0c0000  
System Type : 8  
First MAC Address : CC5D4E112233  
Last MAC Address : CC5D4E112265  
MAC Quantity : 51  
Default Country Code : FF  
Boot Module Debug Flag : 01  
RomFile Version : E1  
RomFile Checksum : 8150  
ZyNOS Checksum : 293e  
SNMP MIB level & OID : 060102030405060708091011121314151617181920  
Main Feature Bits : C0  
Other Feature Bits :  
A8 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 11 00 00 00 00

## Known Issue

1. [IOP issue] Can't support profile auto-moding in vectoring mode
2. [System Limitation] Can't apply the Limit mask B7-1~B7-10 and B8-8, B8-9, B8-13, B8-14(E17,E30 type). Because the VCE only can apply one kind of psd shape per

- board level vectoring system, and those psd shape conflict with it.
3. [IOP issue] Some ADSL Annex M/J CPE can't use the US tone to 64.
  4. [System Limitation] For the Error Samples handler with G.Vector, the SW port will always enable whatever the line is use or not.
  5. [IOP issue] CPE AVM 7390 have CRC/ES issue on showtime and DELT can't success.
  6. When backup configuration from IE browser, because the IE browser will open directly on web. If didn't clear the cookie/temp file, it may see the old configuration file. Chrom/FirFox didn't have such issue. SPR[140929795]
  7. [140711854] We can see the serial number on Web, CLI and MIB, but only 15 character.
  8. [Errdisable]There is an initial tolerance value about limit value when rate limit enable.
  9. Restore config to another index via TFTP should not change running-config.
  10. ADSL Fallback Packet Filter only support on PVC. IP-PVC and PAE-PVC not support.
  11. The unicast, multicast and broadcast counter only calculate packet size between 64 and 1522. The other packet size not included on unicast, multicast or broadcast counter.
  12. Login user's privilege only support on CLI. The WEB and FTP not support, now.
  13. 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.
  14. Nessus Scan has two issues "SSL self-sign" and "certificate cannot be trust".

## Modifications in V1.00(AATL.9)C0– 2018.08.20

Base on V1.00(AATL.9)b2 to release V1.00(AATL.9)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 170900092: Change to Compatible Mode ADSL2+line state IDLE VES 1724-55C

ITS 180600204: VES1724-55C init fail reason display incorrect as nopeervtur

SPR: 180713118, 180809168, 180814204, 180808107, 180802027, 180530345

## Modifications in V1.00(AATL.8)C0– 2017.12.27

Base on V1.00(AATL.8)b2 to release V1.00(AATL.8)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 170600660: VES 1724-55C Status is not correct on Netatlas EMS.

## Modifications in V1.00(AATL.7)C0 – 2017.04.28

1. Base on V1.00(AATL.7)b3 to release V1.00(AATL.7)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 170100297: 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: [Vulnerability-COE] CSRF and Reflected XSS vulnerability.

## Modifications in V1.00(AATL.6)C0 – 2017.03.23

1. Base on V1.00(AATL.6)b3 to release V1.00(AATL.6)C0

### [New]

1. ITS 161000077: Add a OID field to distinguish the transmission system name of G993.5 and G993.2
2. Add Auto-Save config CLI/WEB/MIB.
3. Add backup system logging via web.
4. Add NDP for errdisable.

### [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 161000545: Paste command but get the unsorted return and crash sometimes.
2. ITS 161000220: Feature request to support more size (up to 96) to create channel
3. ITS 170200563: Hostname format string vulnerability of ZyNOS.
4. ITS 170200053: Fix the automatically resync VDSL ports issue.

## Modifications in V1.00(AATL.5)C0 – 2016.09.26

## [New]

1. ITS 160300428: On web, add privilege setting.
2. Add remote-management IPv6 range check support.
3. ITS 160100713: On MIB, Add TX/RX packet bytes per second support.

## [Change]

none

## [Fix]

1. ITS 160300021: {CLI}: "show vlan counter <vlan-id> <port-index>" error messages not friendly.
2. ITS 160300328: On the classifier, source port description is not clearly.
3. ITS 160800216: Ports with ADSL Line Profil in IDLE state

## Features

Items	Any change?	Comments
Modem code		Update modem code to 10.08.60
Wireless driver		
Dying gasp		
LED behavior		
FAN speed control		
Temperature sensor control		
Others		Support G.993.5 vectoring



## Firmware Upgrade

The VES-1724-55C 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 VES1724-55C. The upgrade procedure is as follows:

### Upgrade VES1724-55C FW:

```
C:\> ftp <VES1724-55C IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 1.00(AATL.8)C0.bin ras-0 (ras-1)
ftp> bye
```

Where

- User name : admin, default account "admin"
- Password : the management password, 1234 by default
- 1.00(AATL.8)C0.bin : the name of firmware file you want to upgrade
- ras-0/1 : the internal firmware name in VES1724-55C

## Configuration Upgrade

The VES1724-55C 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 VES1724-55C. The upgrade procedure is as follows:

### Upgrade VES1724-55C configuration:

```
C:\> ftp <VES1724-55C IP address>
User : admin
Password: 1234
230 Logged in
```

```
ftp> put 1.00(AATL.8)C0.rom rom-0  
ftp> bye
```

Where

- User name : admin, default account "admin".
- Password : the management password, 1234 by default
- 1.00(AATL.8)C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in VES1724-55C

## **MIB support**

## **Test Items**