

Software Name: AWK-3121/4121 Series Firmware

Version No.	Build Code	Supported OS	Apply to (full model name)	New Feature(s)	Change(s)	Enhancement(s)	Bug(s) Fixed	Additional Note(s)
1.14	Build 16070611		AWK-3121 series	N/A	N/A	N/A	Fixed manufacturing bug	N/A
1.13	Build 16040604	-	AWK-3121 series	N/A	N/A	1.revised beacon miss counter in order to avoid meaningless traffic.	1. Improve system scanning mechanism under Client-based Turbo Roaming mode. 2. fixed some wording 3.fixed system crash when RSSI report is enable	N/A

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1.12	Build 15121611	-	AWK-3121 series	<ol style="list-style-type: none"> 1.Support the multiple AP functionality function on the WDS mode. 2.Support configurable TX minimum rate . 3.Support Troubleshooting debug tool. 4.Prevent AWK from Cross-Site Script(XSS) attack. 5. Support VLAN under client mode 	N/A	<ol style="list-style-type: none"> 1.AP sends gratuitous arp to Client right after Client connects to AP. 2.Enhance throughput under the WEP security mode. 3.Client connects to the AP which has highest RSSI after STA scanned all channel when AP disappeared and the other APs are under AP Alive Check threshold. 4. Improve system scanning mechanism under Client-based Turbo Roaming mode. 5. Re-design the associated client list to show Mac Address, Connection Duration, SNR, Tx(Bytes, Pkts), Rx(Bytes, Pkts). 6. Wireless status page shows the transmission information (rate and power), outgoing packets info (successful sending out pkt cnt, error pkt cnt, and dropped pkt cnt) , and incoming packets (successful sending out pkt cnt, error pkt cnt, and dropped pkt cnt). 	<ol style="list-style-type: none"> 1.For LFPT, Ethernet LED is off when the Ethernet port is blocked. 2.Fixed the time zone information. 3.Fixed wrong RSTP port state 4.Fixed Client-based turbo roaming over SPEC (1sec) under WPA/WPA2 mode. 5.Fixed keep alive check mechanism when only one channel is selected as scanning channel. 6.Fixed web crash issue when many clients join and left frequently. 7.Fixed RSTP under Master/Slave mode. 	N/A
1.11	Build 15030917	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T, AWK-3121-M12-US, AWK-3121-M12-EU, AWK-3121-M12-JP, AWK-3121-M12-US-T, AWK-3121-M12-EU-T, AWK-3121-M12-JP-T, AWK-3121-SSC-US, AWK-3121-SSC-EU, AWK-3121-SSC-JP,	N/A	1. ETSI EN 300 328 Certification Update from v1.7.1 to v1.8.1	N/A	N/A	N/A

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1.10	Build 13082217	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T, AWK-3121-M12-US, AWK-3121-M12-EU, AWK-3121-M12-JP, AWK-3121-M12-US-T, AWK-3121-M12-EU-T, AWK-3121-M12-JP-T, AWK-3121-SSC-US, AWK-3121-SSC-EU, AWK-3121-SSC-JP, AWK-3121-SSC-US-T, AWK-3121-SSC-EU-T, AWK-3121-SSC-JP-T	1. SSID broadcast can be disabled on all 802.11b channels.	N/A	1. Enhanced throughput.	1. Wrong TxRate values are obtained with SNMP. 2. Disassociation is wrongly sent in AP mode. 3. VLAN works abnormally in Master mode. 4. Unicast ARP cannot pass through WLAN side to LAN side in Client mode. 5. Ping fails after a network topology change. 6. NTP client cannot do synchronization with a NTP server. 7. After continuous disconnections, AWK in a Client mode connect to an AP no more. 8. Incorrect information of associated	N/A
1.9	Build 11101416	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T, AWK-3121-M12-US, AWK-3121-M12-EU, AWK-3121-M12-JP, AWK-3121-M12-US-T, AWK-3121-M12-EU-T, AWK-3121-M12-JP-T, AWK-3121-SSC-US, AWK-3121-SSC-EU, AWK-3121-SSC-JP	N/A	N/A	N/A	1. Fixed flash write failure case. V1.9 fixed this issue, and due to this reason, we prevent firmware from downgrading to older versions.	N/A
1.8	Build 11071214	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T, AWK-3121-M12-US, AWK-3121-M12-EU, AWK-3121-M12-JP, AWK-3121-M12-US-T, AWK-3121-M12-EU-T, AWK-3121-M12-JP-T, AWK-3121-SSC-US, AWK-3121-SSC-EU, AWK-3121-SSC-JP	1. Support AWK-3121-M12 and AWK-3121-SSC model. Downgrading firmware earlier than V1.8 on these two models is not allowed.	N/A	N/A	1. Memory leak issue on web/telnet management packets. 2. Wrong URL redirection on clicking "Click Restart to active new settings" logo while AWK is behind NAT and accessed through port forwarding. 3. WPA Authentication fail while PVID of AP is different from MVID.	N/A

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1.7	Build 10090618	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	1. Support remote SNMP management.	N/A	N/A	<ol style="list-style-type: none"> 1. The LLDP table does not remove previous disconnected entry after TTL time. 2. The LLDP packet interval will be affected if any one of DNS settings is filled. 3. Operation mode may be changed when upgrading firmware from v1.4 (or earlier version) to v1.6. 4. AWK sends incorrect trap event "Port0 Link Down" after power on if LAN port is link off, or operation mode is Client or Slave. 5. AWK Search Utility error occurs if host PC and AWK are connected via router. 6. AWK reboot itself when dealing with long UDP broadcast packets with UDP port filter is enabled. 	N/A
1.6	Build 10080518	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	<ol style="list-style-type: none"> 1. Support MXview. 2. Provide multiple SSID information in wireless status. 3. Support link fault pass-through in client mode. 4. Support Master/Slave operation mode. 5. Support configuration import/export with ABC-01. 6. Support VLAN tagged on Master and Slave mode. 	<ol style="list-style-type: none"> 1. Remove password-related configs from private MIB. 2. Change SNMP MIB indexes and hide unused columns of wlanClientListTable, dhcpClientListTable, and wirelessStatusTable. 	N/A	<ol style="list-style-type: none"> 1. bugfix: Can not set sysContact, sysName, sysLocation via standard SNMPv2-MIB. [Note] Require save config to flash manually. 2. Some wireless clients failed to connect to Moxa AP if SSID broadcast is disabled. 3. Deauthenticate STAs in power saving mode without keep alive. 4. Web crashes on too many config conflict messages. 5. VLAN does not work on WDS mode while AP functionality is disabled. 6. Connection malfunction on AP mode after applying site survey. 	N/A
1.4	Build 09112314	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	<ol style="list-style-type: none"> 1. Add "Multiple SSID" function. 2. Add VLAN function. 3. Add VLAN function. 4. Add WMM function. 5. Add full private MIB support. 6. Send SNMP trap when a client joined or left an AP. 	N/A	<ol style="list-style-type: none"> 1. Enhance Turbo Roaming mode to support faster roaming. 2. Show dBm value for signal strength. 	N/A	N/A

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1.3	Build 09072301	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	1. Add "Noise Protection" to "Advanced Wireless Settings" page of web console.	1. Extend "Transmission distance" range from 10 km to 11 km in "Advanced Wireless Settings" page of web console.	N/A	N/A	N/A
1.2	Build 09052501	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	1. Support AWK Search Utility	N/A	N/A	1. Ping long packets failed. 2. The RSTP port will learn address while it is not in learning and forwarding state. 3. AWK Client with G-only mode can not associate with AP with B/G-mixed mode.	N/A
1.1	Build 09030201	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	1. Add "Day Light saving" function. 2. Add "Send Test Mail" function. 3. Add "Turbo Roaming" function. 4. Add pure WDS support. 5. Add "Wireless Enable" function in AP mode. 6. Add Long Distance support (500m ~ 10km).	N/A	1. DHCP client can get IP from DHCP server through AWK-3121 in client mode. 2. Compatible issue with some APs in WDS mode.	N/A	N/A
1.0	Build 08071500	N/A	AWK-3121-EU, AWK-3121-US, AWK-3121-JP, AWK-3121-US-T, AWK-3121-EU-T, AWK-3121-JP-T	1. First release.	N/A	N/A	N/A	N/A