

----version 5.1921.16090 ----

New features

- allow 0.0.0 to disable DNS
- set firmware version to 5
- check IP mask value
- add remote address field in TACACS authorisation and authentication packets
- add '?' character in password request

Fixed bugs

- always perform synchronisation at firmware startup (switches without PoE do not generate any cfg changes)
- refactor the input/output limit (interrupts the loop)
- correct the IP mask validity check via PGM and SNMP
- rework the SMI operation
- correct and update the indirect access to the SMI
- correct the SMI operation by not reopening the file
- correct the SNMP help improve ip address syntax checking

----version 4.1904.15956 ----

New features

- reset button gpio read from devicetree
- SNMP in running configuration
- implemented digital inputs
- removed obsolete boot system command
- vlan command help
- CLI inactivity timeout (fixed at 300s)
- refactored rmfile command (files as subcommands)
- hostname permissions (not just IP addresses) in copy command
- dot1x command help
- replaced dot1x view
- DNS
- 802.1x

- dot1x
- update default configuration: VLANs enabled: 0 -> 1
- deny digital input and minimum pulse length in SNMP
- support 2G-2S.1.4.G-HiPoE[r1],2G-2C.0.8G-HiPoE[r1],2G-1C.0.8.GC-HiPoE[r1],2G-2C.8S.0.0.G-HiPoE[r1]
- usb activity detection with logs
- ring logs
- checks spaces in host names and rejects them if attempting to SnmpSet
- changes SNTP_REQ_PERIOD_MAX to 49.5 days

Fixed bugs

- mirroring, PoE, dot1x, DNS, ring version, radius, port aliases, control, atu, rates in configuration backup
- disabled 'view poe *' commands for switches without PoE
- output of configuration running ip-vlan
- refactoring of import command (files as subcommands)
- help(?) for incomplete commands (do? / do?)
- copy from tftp/sftp strict destination control (only nvm or ram allowed)
- disable show sntp commands (no relevant output)
- help text
- checking the host space of radius, tacacs and syslog servers
- update the sntp request interval
- atu-delete ring status view
- updating VLAN commands
- updating RING commands (running-config, non-ring switch, status)
- atu-egress-mode, vlan-pri-init and enable vlan
- running-config (import-pre)
- force IPv4 name resolution for tftp
- check the cmd sntp request-interval
- allow writing the question mark (escape with backslash)
- partially correct help for the do command
- query dns for tacacs (force IPv4)
- corrected strlen check for dot1x supplicant port password
- dot1x supplicant encrypted passwords
- fix jumbo in running configuration
- port index for 802.1x

- running configuration dot1x enable/disable
- global 802.1x enable
- fix portVlans (display all running configurations, CPU port settings, display port summary)
- disable static MAC, MAC BUS Rx, MAC IO Rx
- segfault if the -c argument is missing
- input LEDs reflect negation and pulse duration filter
- port name P5 for 2G-2S.1.4.G[r1] change to G3
- missing files, correct the pins of the RX led on bus2
- empty key of server radius (Seg Fault)
- correct SwitchPort_MAX to CFG_bSwitchPort_SIZE in uni cycles (= CPU bandwidth limitation to 2Mbps)
- do not allow writing of topology protocol TOPOLOGY_LAN_RING1
- update radius configuration
- ring after boot (network flush)
- timeout802.1x (default, usage)
- encrypted passwords for supplicant (with memory wipe)
- fix dns queries for tacacs (force IPv4)

---- version 3.1852.15742 ----

Fixed bugs

- export/import of TACACS+ keys
- display of running configuration, force-100-full, force-1000-full
- length of string variables read from SNMP configuration (CLI, PAM)
- chaining of TACACS+ servers (if primary fails, secondary)
- AAA output in running-config full output
- SNMP write to memory size 0 (walk to end of MIB tree restarted fw)
- PoE (no-)swap-pairs in running-config full output
- Port_control advertise and force speed in running-config full output
- enable-password in running-config full output - removed (if primary fails, try secondary)
- removed the (NEW) sign from command descriptions
- renamed vlan-init-all to vlan-init-tab
- MTU set for eth interface 1500 + sizeof(eth_header) + sizeof(dsa)
- disabled detection of number of columns using ESC sequence if "ioctl" call fails, default is set to 80

New features

- working tftp subdirectories, improved tftp output
- disk usage report, "dir" command
- do" command
- syslog" command
- add space after TAB command
- syslog, forward logs to syslog (view log command, conf=>syslog command)
- end key support in Putty, Ctrl+D writes the command to the CLI history
- other commands pasted
- switches directly to privileged mode if the enable password is not set
- SNTP, deletion of default IP addresses
- SNMP, clear input OID for hashed passwords, enhanced hash checking
- base32 encoding for tacacs keys
- rename command description to alias in port-level mode
- updated version 3 (Syslog support)
- add firmware version after upgrade

---- version 1.1746.15133 ----

- first firmware released