

Model Name	HES-3106-SE	Version	1.00.09	Designer	Approval
Part Name	Firmware	Date	2026/05/12		
Part Number	N/A	Unit	N/A		
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Internal Release Note

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Firmware Version 1.00.09

Date: 2026/05/12

New Feature / System Release	Description
VLAN	Added support for new VLAN mode: Bypass C-Tag.
Update	Description
SNMP	Updated MIB file to comply with SMIV2 standard. To comply with SMIV2 standards, the following OID paths have been restructured: SNMPv3 USM User Table: Relocated from .SNMPv3USMUserTable(5) to .SNMPv3USMUser(5).SNMPv3USMUserTable(1)
CPU Loading	Fixed a calculation error in the sliding window average for CPU load. Due to a logic inconsistency in long-term accumulation, the CPU average load could sporadically drop below 0% or exceed 100%.
CPU Loading	Fixed inconsistent average for CPU load reporting between the webpage and system dump logs.
Port Statistics / SNMP	Fixed incorrect Port Counter Rate displays.
IP Setup / WEB	Fixed an IPv6 configuration failure that occurred even when a valid address was entered.
SNMP Trap / System Power Down	Improved Power Down Trap reliability and resolved inconsistent MAC address resolution (ARP/Neighbor Discovery) logic for both IPv4 and IPv6 environments. Note: This fix ensures correct Source IP usage in IPv6 and maintains stable ARP table updates to guarantee successful Power Down Trap delivery.
CLI	Resolved a CLI crash by updating the "no" command's unique identifier length to 2, preventing accidental disconnections from incomplete "n" inputs.

Firmware Version 1.00.08

Date: 2025/11/27

New Feature / System Release	Description
N/A	N/A
Update	Description

SNMP	Fix the incorrect display of the public MIB-II In/OutOctets. The values should represent bytes, not packet counters.
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Firmware Version 1.00.07

Date: 2025/11/05

New Feature / System Release	Description
N/A	N/A
Update	Description
CATV	Changed the default setting of "CATV RF Module" to "Enabled".
LLDP	Fixed an issue where the LLDP module failed to load the system name on boot.
CLI	Fixed an issue where the DUT failed to log in when users performed Telnet → SSH → Telnet sequence.
CLI	Some lines in the CLI show command output contained trailing spaces.
SNMP	Fixed an issue where the SNMP tool displayed "3062" in the event log field.

Firmware Version 1.00.06

Date: 2025/09/18

New Feature / System Release	Description
N/A	N/A
Update	Description
IGMP/MLD Snooping	The IGMPv3 and MLD query response timeout does not match the value in the received query packet.
CLI	Commands recorded through the terminal tool may contain a random number of spaces before the line breaks (CR/LF).

Firmware Version 1.00.05

Date: 2025/09/11

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP	The public MIB counters "ifHCInOctets" and "ifHCOctets" may display incorrect values.



Firmware Version 1.00.04

Date: 2025/09/05

New Feature / System Release	Description
N/A	N/A
Update	Description
LLDP	When the user configures LLDP or checks the LLDP status, system midcore will crash.
CLI	When multiple commands are entered consecutively, some commands may randomly fail to execute.

Firmware Version 1.00.03

Date: 2025/05/19

New Feature / System Release	Description
N/A	N/A
Update	Description
Restore Configuration	If the restored configuration file contains only CATV settings, VLAN membership will be removed.

Firmware Version 1.00.02

Date: 2025/05/08

New Feature / System Release	Description
N/A	N/A
Update	Description
LED / Status	The Status LED now correctly blinks orange after releasing the hardware reset button during the reset to factory default stage.

Firmware Version 1.00.01

Date: 2025/03/14

New Feature / System Release	Description
SSH	Update Dropbear version to 2022.



TACACS+	Support user authentication "TACACS+".
Management Authentication	Support user management authentication method order.
Update	Description
Port Setup & Status	Improve the reason field of the port state to support the following reasons: LKD (Link down) LPD (Loop detection)
DHCP Client	The process "udhcpd" experienced a memory leak due to not releasing memory allocated for environment variables, leading to a crash caused by an overflow while reading the packet option length.
IP Setup / IPv6	After setting the ipv6 auto configuration setting, enable to disable and the link local address is not connected after the machine is reboot.
IP Setup / IPv4	After firmware upgrade or reboot, system gateway will disappear.
Switch Information	When the setting string contains the % symbol, the CLI can only display the second half of the string with the % symbol.
Switch Information	Set switch-info host-name via CLI, when set 64 characters and show switch-info will find only display 63 characters.
VLAN	Set "sw8021QPortVLANConfigTable" via SNMP, the settings that includes "ISPPort" will cause other settings to become invalid.
QoS	Missing the configuration commands related to "Port to Queue Mapping". (CLI)

Firmware Version 1.00.00

Date: 2024/09/12

New Feature / System Release	Description
N/A	N/A
Update	Description
System	The Official Version.