ZYXEL
NETWORKS

Release Note

SCR 50AXE

Version V1.20(ACGN.0)C0

August 28, 2025

Contents

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Date: August 28, 2025

Supported Platforms:

SCR 50AXE

Versions:

Version: V1.20(ACGN.0)

Files lists contains in the Release ZIP file

File name: 120ACGN0C0.bin

Purpose: This binary firmware image file is for normal system update.

File name: 120ACGN0C0.pdf

Purpose: This release file.

File name: 120ACGN0C0-opensource-list.xls

Purpose: This file lists the open source packages.

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N E T W O R K S

Read Me First

1. Please download or upgrade to the latest Nebula Mobile for registering your SCR 50AXE security router.

2. The system default configuration is summarized as below:

    1、 The default device administration username is "admin", and the

    password can be found on the device back label (reminding that the login credentials will be re-assigned by Nebula after registering your device)

    2、 Default LAN IP is Router Mode: 192.168.168.1

3. Please **DO NOT** turn off the power during the firmware upgrade. Please wait until the device reboots and the SYS light stays on

4. To reset device to system default, user could press RESET button for 5 seconds and the device would reset itself to system default configuration and then reboot.

Design Limitations:

Note: Design Limitations described the system behavior or limitations in current version. They will be created into knowledge base.

WiFi

The SSID1 will always broadcast all radio bands used in other SSIDs i.e. SSID2/SSID3/SSID4. For example, if you configuring SSID1 with 2.4G only, and SSID2 with 5G only. It ends up you will see SSID1 broadcast both 2.4G and 5G radio, though you didn't configure 5G for the SSID1.

Firewall

The device cannot block traffic between different VLANs using policy rules.

Features: V1.20(ACGN.0)C0

Modifications in V1.20(ACGN.0)C0 - 2025/08/28

1. [Bug Fix] eITS#241001132 Incorrect IP address obtained via WiFi
2. [Bug Fix] eITS#241101092 Option to switch to 802.11n mode is not available
3. [Bug Fix] eITS#241001085 Non-Nebula VPN stability issue
4. [Bug Fix] eITS#250300898 Sending internal ARP requests on WAN interface
5. [Bug Fix] eITS#250601115 Country restriction feature incorrectly blocking internet access
6. [Bug Fix] eITS#250701493 VPN connection status displayed incorrectly on Nebula monitor page

Features: V1.10(ACGN.3)C0

Modifications in V1.10(ACGN.3)C0 - 08/26/2024

1. [Bug Fix] eITS#240101117 Unable to connect to Network
2. [Bug Fix] eITS#240301612 SCR 50AXE disconnected from Nebula in TPE site
3. [Bug Fix] eITS#240400040 SCR disconnected from Nebula but network is normal
4. [Bug Fix] eITS#240300395 SCR disconnected from CC
5. [Bug Fix] eITS#240300665 Inconsistency between UTM traffic and application inspection traffic
6. [Bug Fix] eITS#240401062 Content filter always blocks accessing YouTube
7. [Bug Fix] eITS#240301697 FBG-Chen Yourui intermittent disconnection from Nebula
8. [Bug Fix] eITS#240200293 SCR lost connection to Nebula but can still browse the internet
9. [New Feature] Add link up down event logs
10. [Vulnerability] to fix CVE-2024-5412,CVE-2024-38266,CVE-2024-38267,CVE-2024-38268 and CVE-2024-38269

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Features: V1.10(ACGN.2)C0

Modifications in V1.10(ACGN.2)C0 - 1/26/2024

[Note] When you install the new firmware, the device has to reboot twice, due to data structure change.

1. [Bug Fix] eITS#240100091 Vlan ID apply to the wrong Wi-Fi interface
2. [Bug Fix] eITS#231101383 AP Connected under SCR device are not stable
3. [Bug Fix] eITS#240100096 Nebula APP Threat report display not correctly
4. [Bug Fix] eITS#240100311 threat detection detail not show on Nebula
5. [Bug Fix] eITS#240100041 Event log is not displayed correctly on Nebula
6. [Bug Fix] eITS#230701144 SSID 1 still broadcast even the profile is delete from NCC.
7. [Bug Fix] eITS#230800147 Even though there is no SSID profile, SSID1 is still broadcasting on the Wi-Fi network.
8. [Bug Fix] eITS#231000018 Public IP and Wan IP is not match
9. [Bug Fix] eITS#231000276 Reserve IP is not working
10. [Bug Fix] eITS#231000686 NAT port translation is not working.
11. [Bug Fix] eITS#231000769 Content Filter is not working due to continuous queries involving both UDP and TCP for domain requests.
12. [Bug Fix] eITS#231000906 Guest Wi-Fi could receive the main IP address in a second.
13. [Bug Fix] eITS#231100087 Device connection status display incorrectly in Nebula
14. [Bug Fix] eITS#231100176 The client is disconnected from device for a period of time, but still displays online
15. [Bug Fix] eITS#231100608 Specific character in naming cause disconnected from Nebula
16. [Bug Fix] eITS#231100755 NAT is not working issue
17. [Bug Fix] eITS#231101385 Port Forwarding is not working
18. [Bug Fix] eITS#231101662 WAN uses VLAN ID and the WAN usage always show 0
19. [Bug Fix] eITS#231101671] Client connection status is not shown correctly in the client list.

20. [Enhancement] Country code implementation to fulfill 6G(Add as CA、E3、

EE、F1) and recover debugflag value to 0 (when value is 1)

Features: V1.10(ACGN.1)C0

Modifications in V1.10(ACGN.1)C0 - 2023/11/03

1. [New Feature] The diagnostic collection feature supports the local GUI.
2. [Bug Fix] eITS#231000352 Some usage is displayed as 0 on the Nebula CC client dashboard.
3. [Bug Fix] eITS#231000018 The public IP and WAN IP of SCR devices do not match.
4. [Bug Fix] eITS#230800871 Wireless and wired clients cannot communicate.
5. [Bug Fix] eITS#231000296 The VPN tunnel daemon has died due to reaching the maximum allowed subnets.
6. [Bug Fix] eITS#230701144 SSID 1 is still broadcasting and can connect, which is a security concern.
7. [Bug Fix] eITS#230700954 Nebula CC topology display is incorrect.
8. [Bug Fix] eITS#230700162 Static IP address information on the Nebula client page does not change to new settings after modification.
9. [Bug Fix] eITS#230700613 Wireless client information is not displayed correctly on the client dashboard.
10. [Bug Fix] eITS#230701542 Some devices are missing from the client connection list.
11. [Bug Fix] eITS#230801640 SCR50AX is not showing connected clients.
12. [Bug Fix] eITS#230801537 Wireless devices are unable to access the internet.
13. [Bug Fix] eITS#230700925 The LAN subnet cannot be set as 192.168.5.1, as it will conflict with internal services.
14. [Bug Fix] eITS#230700924 Nebula CC dashboard is displaying abnormal statistics.
15. [Bug Fix] eITS#230700924 SCR50AXE - V1.10(ACGN.0)C0 has a memory leak causing abnormal device behavior.

Features: V1.10(ACGN.0)C0

Modifications in V1.10(ACGN.0)C0 - 2023/07/05

1.   [New Feature] SCR 50AXE support Guest Network and Guest Interface
2.   [New Feature] SCR 50AXE support VLAN segmentation
3.   [Bug Fix] eITS#230600530
     a.   Fix: Where you put device as destination in the security policy and it doesn't work as expected
4.   [Bug Fix] eITS#230601037
     a.   Fix: Reduce the duplicate event logs

Features: V1.00(ACGN.3)C0

Modifications in V1.00(ACGN.3)C0 - 2023/06/15

1. [Bug Fix]
    a. Fix: Could not set 5Ghz to work on 160MHz Channel mode
2. [Bug Fix] eITS#230500039
    a. Fix: No event log
3. [Bug Fix] eITS#230500116
    a. Fix: In the Non-nebula VPN private subnet text box, only the first 17 characters can be saved
4. [Bug Fix] eITS#230500221
    a. Fix: SCR stability issue
5. [Bug Fix] eITS#230500294
    a. Fix : Show duplicated SSID name on the summary report's "Top SSID by usage"

Features: V1.00(ACGN.2)C0

Modifications in V1.00(ACGN.2)C0 - 2023/05/17

1. [Bug Fix] eITS#230400951
    a. Fix: WAN traffic is not accurately.
2. [Bug Fix] eITS#230401220
    a. Fix: Wired LAN hosts can't get IP when devices is entirely new product.
3. [Bug Fix] eITS#230500089
    a. Fix: The Hits of "Threats detected by category" and "Threats detected by clients" are not consistent.
4. [Bug Fix] eITS#230500406
    a. Fix: Device installation issue when using static WAN IP address

Features: V1.00(ACGN.1)C0

Modifications in V1.00(ACGN.1)C0 - 2023/05/02

1. [Bug Fix]
   a. Fix: Setting an SSID name with a space may cause the Nebula dashboard loading take long time.
2. [Bug Fix] eITS#230401023
   a. Fix: Setting an SSID name with a space may cause the device to turn off the WiFi radio.

Features: V1.00(ACGN.0)C0

Modifications in V1.00(ACGN.0)C0 - 2023/04/14

1.   First Release