



## SCR 50AXE

Secure Cloud-managed Router with AXE5400 Tri-Band WiFi 6E

### WiFi 6E plus security & easy-to-manage

The SCR 50AXE is a secure cloud-managed router which incorporates business class firewall, VPN gateway, the latest WiFi 6E connectivity and built-in subscription-free security to protect against threats like ransomware. The SCR 50AXE provides subscription-free, easy-to-manage network security in a single secure cloud router solution focused on teleworkers or small businesses/offices.

### Benefits

#### Subscription-free network security

Equipped with best-in-class threat management features powered by Zyxel Security Cloud, the SCR 50AXE detects malicious network activities and prevents drive-by download of wide-spreading ransomware/malware, blocks intrusion/exploit/dark web/ads/VPN proxy and stops mail fraud & phishing. It's subscription-free, making security affordable to small business owners!



Subscription-free Security built-in as standard



Easy onboarding with Nebula app



Tri-band WiFi 6E with up to 5400 Mbps



Set a unified WiFi name for the entire network



Access security status and analytics through an informative dashboard



Four GbE ports for more wired devices



## Easy to use app for everyone

With a few simple taps, your devices will be up and running in minutes. You also can view the status of security level and analytics of threat events through its informative security dashboard.



## Fast and efficient with optimized WiFi 6E

The SCR 50AXE's tri-band WiFi operates concurrently to boost wireless network speed of up to 5,400 Mbps. Thanks to the new 6 GHz band with super-wide 160MHz or 80MHz split channels, it delivers maximum speed to multiple connections simultaneously with low latency.



## With Nebula, it's all just connected

The Nebula Cloud Networking solution enables you to connect, protect, and manage your SCR 50AXE and other compatible Zyxel appliances. With just a few clicks, you also can set a single WiFi name for the entire network, including all Zyxel access points and the SCR 50AXE, for simplified network management.



## Guest access, made easy

With Guest WiFi, you can create a separate network for your guests to use, keeping your main network private and secure. No more sharing your personal WiFi password with strangers or worrying about them accessing sensitive information on your network. This can be set up in a few simple steps and protects your business network from outside access. (Available in June 2023)



## Know how client devices behave

The SCR 50AXE helps you evaluate client devices behavior on your network, identifying applications that are traversing your network and usage of these applications.



## Simple WFH VPN setup

Build secure tunnels for Work-From-Home users to extend the working experience easily and securely. The SCR site-to-site VPN keeps your home office securely connected without any complex VPN configuration steps.



## See more, protect more

The all-new designed Nebula Control Center dashboard presents the status of the security level, analytics of threat events, and the application usage of your network. The dashboard lets you easily find information about which client/application is occupying your network's bandwidth and what type of threat has attacked your business in the past 24 hours.



## Optional SCR Pro Pack to increase functionality and security

The SCR Pro Pack license unlocks the full-blown Web Filtering categories, helping customers to track and regulate access to websites based on their content categories. It also upgrades to Ransomware Prevention Premium to enjoy real-time update threat intelligence to get the best protection and unlocks advanced Nebula Pro features.



Real-Time Threat Intelligence



Full-Blown Web Filtering



Nebula Pro Pack

## SCR Pro Pack Comparison

	Subscription Free	SCR Pro Pack (1YR / 3YR)
Ransomware / malware prevention	●	●
Intrusion Blocker	●	●
Dark Web Blocker	●	●
Stop mail fraud & phishing	●	●
Block Ads	●	●
Block VPN proxy	●	●
Firewall	●	●
Country Restriction (GeoIP)	●	●
Allow list / Blocklist	●	●
Traffic management (applications & clients)	●	●
Real-time threat intelligence Powered by Trellix		●
Web Filtering (DNS) Powered by Trellix		●
Nebula Pro Pack - Advanced feature set		●

## Specifications

### System

#### Speed Rating (per unit)

- WiFi 6E AXE5400  
(2400 + 2400 + 575 Mbps)

#### Wireless Standard

- IEEE 802.11 ax 6 GHz\*
- IEEE 802.11 ax / ac / n / a 5 GHz
- IEEE 802.11 ax / n / b / g 2.4 GHz

#### WiFi Speed

- 6 GHz: 2400 Mbps
- 5 GHz: 2400 Mbps
- 2.4 GHz: 575 Mbps

#### Performance

- Firewall throughput:  
900 Mbps
- Threat management throughput:  
900 Mbps
- Recommended use cases:  
Teleworker with remote applications
- Recommended users:  
Up to 5 users

### Nebula App

- Easy onboarding
- Device monitoring and alert
- Dashboard presents client info, application usage, and security level
- Panels for configuring WAN and WiFi
- Purchase license

### Software

#### Security

- Ransomware / Malware prevention
- Intrusion blocker
- Dark Web blocker
- Stop mail fraud & phishing
- Block Ads
- Block clients
- Block VPN proxy
- Identify and control applications
- Content Filter  
(SCR Pro Pack required)
- Firewalling
- Country Restriction

- Exception list
- Custom allowed / blocked domain
- IPSec VPN (site-to-site, spoke only)

#### Wireless Features

- Site-wide SSID provisioning from Nebula cloud
- See wireless client info from the Nebula dashboard
- WiFi Encryption:  
WPA2-PSK, WPA3-PSK
- Support up to 4 SSIDs  
(Available in June 2023)
- Auto / Fixed Channel Selection
- MU-MIMO / Explicit Beamforming

#### Networking

- WAN type: Static IP, DHCP, PPPoE, and PPPoE with Static IP
- NAT - Virtual server
- DHCP server / client and DHCP relay
- Dynamic DNS
- Static route
- IGMP Proxy

## Management

- Firmware upgrade
- Unattended configuration backup and restore in the cloud
- Live tools

## Hardware

- CPU: 1.0 GHz Dual-Core
- Memory: 1GB
- Flash: 256MB
- Antenna: 4 internal antennas
- Buttons:
  - WPS
  - Reset
- WAN: One 10/100/1000 Mbps Ethernet RJ-45 port with auto MDI / MDIX support
- LAN: Four 10 / 100 / 1000 Mbps Ethernet RJ-45 ports with auto MDI / MDIX support
- LED indicator: 5 LED indicators for status indication

- Power: 12 V DC, 2.0 A
- Power consumption: 21 watt

## Physical Specifications

- Item dimensions(L x W x H):  
178.0 X 54.6 (stand 68.2) X 242.2 mm  
(7.00" x 2.14" x 9.54")
- Item weight: 651 g (with stand)
- Packing dimensions(L x W x H):  
246.0 x 61.0 x 303.5 mm  
(9.69" x 2.4" x 11.95")
- Packing weight: 1048 g

## Environmental Specifications

### Operating Environment

- Temperature:  
0°C to 40°C (32°F to 104°F)
- Humidity:  
10% to 90% (Non-condensing)

## Storage Environment

- Temperature:  
-30°C to 70°C (-22°F to 158°F)
- Humidity:  
10% to 95% (Non-condensing)

## Certifications

- CE, FCC, BSMI

## Package Contents

- 1 x SCR 50AXE
- 1 x Power Adapter
- 1 x RJ-45 Ethernet cable
- 1 x Standing kit
- DoC and safety warning

\* Please be advised that the 6G band is only operational in countries listed here: <https://www.zyxel.com/sites/zyxel/files/solution/Zyxel-WiFi6E-enabled-Countries.pdf>

## Ordering Information

### Hardware

Model	P/N	Description
SCR 50AXE	SCR50AXE-EU0101F	Secure Cloud-managed Router with AXE5400, Tri-Band WiFi 6E , 1 x GbE WAN, 4 x GbE LAN
	SCR50AXE-US0101F	Secure Cloud-managed Router with AXE5400, Tri-Band WiFi 6E , 1 x GbE WAN, 4 x GbE LAN

### License

Model	P/N	Description
SCR Pro Pack	LIC-SCR-ZZ1Y01F	LIC-SCR, 1YR Content Filter / Ransomware Prevention Premium / Nebula Pro Pack License for SCR Series
	LIC-SCR-ZZ3Y01F	LIC-SCR, 3YR Content Filter / Ransomware Prevention Premium / Nebula Pro Pack License for SCR Series

For more product information, visit us on the web at [www.zyxel.com](http://www.zyxel.com)

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