



# RAD Next-Generation Firewall (NGFW)

Technical Brochure



Safeguard Your Network  
With Confidence

## Safeguard your network from today's increasing cyber-attacks by using our RAD Next Generation Firewall

RAD NGFW is an advanced third generation firewall capable of rapidly classifying data traffic passing through it using in-line deep packet inspection (DPI) and controlling all levels of traffic based on advanced security policy rules, includes, an Intrusion Prevention System (IPS), AntiVirus (AV), URL filtering, and many other controls that can protect your network from malicious traffic and cyber-attacks.

### THE FIRST REGIONALLY DEVELOPED FIREWALL TO ACQUIRE THE ICSA CERTIFICATION



### Features and Benefits

#### ○ Intrusion Prevention System (IPS)

RAD NGFW has an intrusion prevention system capability which offers proactive protection from today's sophisticated cyber-attacks and exploits by monitoring and preventing malicious traffic from damaging the internal network.

#### ○ Extensible Security

Extensible Security helps enterprises detect unknown threats by offering the ability to integrate with other network security solutions as well as support newer enterprise security features and enhancements.

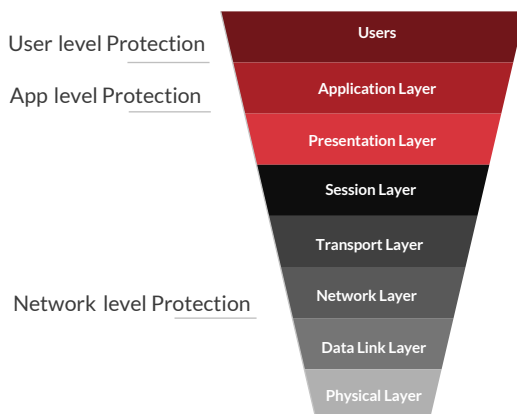
## ○ Identify both applications and ports.

**RAD NGFW** is capable of rapidly classifying the traffic passing through to determine the application identity independently which can protect your network from malicious traffic being transmitted through allowed ports. Currently RAD NGFW can identify 160+ network protocols and apply all kinds of security policies to them.



## ○ Identity-based and user-level protection

Our identity-based policy technology grants user-level controls over Applications, bandwidth, ports and other network resources regardless of device location, network, IP address or type of device.



## Every feature that you need and more

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|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Application classifier and filter</li></ul>                                       | <ul style="list-style-type: none"><li>• Antivirus Engine</li></ul>                                                |
| <ul style="list-style-type: none"><li>• Traffic shaping</li></ul>                                                         | <ul style="list-style-type: none"><li>• URL Filtering</li></ul>                                                   |
| <ul style="list-style-type: none"><li>• Intrusion Prevention System (IPS)</li></ul>                                       | <ul style="list-style-type: none"><li>• Stateful inspection</li></ul>                                             |
| <ul style="list-style-type: none"><li>• PTPP, L2TP, and IPSec VPN support</li></ul>                                       | <ul style="list-style-type: none"><li>• DDOS protection</li></ul>                                                 |
| <ul style="list-style-type: none"><li>• 802.1Q VLAN support</li></ul>                                                     | <ul style="list-style-type: none"><li>• Active Directory and LDAP integration</li></ul>                           |
| <ul style="list-style-type: none"><li>• External log forwarding (SIEM integration)</li></ul>                              | <ul style="list-style-type: none"><li>• Network address translation (NAT) and Port-forwarding</li></ul>           |
| <ul style="list-style-type: none"><li>• Network Zones and virtual network Interfaces</li></ul>                            | <ul style="list-style-type: none"><li>• Built-in reporting and monitoring tools</li></ul>                         |
| <ul style="list-style-type: none"><li>• DNS server forwarder</li></ul>                                                    | <ul style="list-style-type: none"><li>• DHCP server and relay</li></ul>                                           |
| <ul style="list-style-type: none"><li>• Dynamic DNS</li></ul>                                                             | <ul style="list-style-type: none"><li>• Two-factor authentication</li></ul>                                       |
| <ul style="list-style-type: none"><li>• AES-NI enabled for fast and secure data encryption and decryption</li></ul>       | <ul style="list-style-type: none"><li>• Granular control over state table</li></ul>                               |
| <ul style="list-style-type: none"><li>• Netflow export and analysis</li></ul>                                             | <ul style="list-style-type: none"><li>• WebUI and CLI control</li></ul>                                           |
| <ul style="list-style-type: none"><li>• Easy future extensibility</li></ul>                                               | <ul style="list-style-type: none"><li>• Online and offline firmware update with failover &amp; rollback</li></ul> |
| <ul style="list-style-type: none"><li>• Modular network interfaces support: RJ45, SFP, and SFP+ (1, 10, 40 GbE)</li></ul> | <ul style="list-style-type: none"><li>• Commit history and configuration snapshots</li></ul>                      |
| <ul style="list-style-type: none"><li>• 2 Pairs of Gen3 LAN bypass</li></ul>                                              | <ul style="list-style-type: none"><li>• LCD screen to display system information</li></ul>                        |

## Network Specification

<b>Ethernet controller</b>	Intel i210/i210-IS
<b>Default LAN</b>	6 x GbE RJ45, 2 x GbE SFP (SKU B/C), and modular slot that support RJ43, SFP, and SFP+ (1, 10, 40 GbE).
<b>Bypass</b>	2 Pairs Gen3 (by SKU)
<b>Console</b>	1 x RJ45
<b>USB 3.0</b>	2 x Type A
<b>IPMI via OPMA slot</b>	Yes
<b>TPM</b>	Optional

## Power and Mechanical

<b>Power input</b>	AC 90~264V @47~63 Hz
<b>Type/Watt</b>	220W ATX Single PSU
<b>Expansion</b>	1x PCIE*8 Default, 2x PCIE*4 Optional
<b>Reset</b>	Reset Button x 1
<b>Processor cooling</b>	Passive CPU Heatsink
<b>System cooling</b>	2x Cooling Fans with Smart Fan

## OS and Certifications

<b>Certifications</b>	RoHS, CE/FCC Class A, UL
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## Physical and Environmental

<b>Storage temperature</b>	-20°C to 70°C
<b>Operating temperature</b>	0°C to 40°C
<b>Operating humidity</b>	5% to 90% (non-condensing)
<b>Dimensions (W x H x D)</b>	438 mm x 44 mm x 321 mm (17.24" x 1.73" x 12.64")
<b>Weight</b>	7.5 kg (16.5 lbs)
<b>Internal RTC</b>	Yes

# ICSA Certificate



## FIREWALL *Certificate*

Presented this 22<sup>nd</sup> day of April 2022 to

Taqnia Cyber

RAD NGFW

ICSA Labs is pleased to announce that the product named above attained certification following rigorous and thorough testing in the ICSA Labs Firewall Certification Testing Program.

The product was recently tested against the requirements in version 4.2 of the ICSA Labs Corporate Firewall Testing Criteria.

The product remains continuously deployed at ICSA Labs where it may be subjected to ongoing testing.

*Darren Hartman*

Darren Hartman, General Manager, ICSA Labs

Barring decertification during continued testing, this certificate is valid through April 21, 2023

Certificate number: 211007801

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