

# 3100 SECURITY GATEWAY



Check Point 3100 Next Generation Firewall offers an enterprise-grade security against 5th generation threats. 3100 Security Gateway leverages multi-core design and industry-leading performance – all in a compact form factor ideal for branch and small office deployments.



## The Most Advanced Threat Prevention

Equipped with our SandBlast technology, protecting against unknown threats and zero-day attacks



## Full Security, Uncompromising Performance

Highly optimized with up to 425 Mbps of threat prevention throughput



## Designed to Secure Encrypted Traffic

Powerful platforms for inspection of SSL traffic

## PERFORMANCE HIGHLIGHTS

Gen II Security: Firewall	Gen III Security: NGFW <sup>1</sup>	Gen V Security: Threat Prevention + SandBlast <sup>2</sup>
4 Gbps	850 Mbps	425 Mbps

Performance measured under ideal testing conditions. Additional performance details on page 4. 1: Includes Firewall, Application Control, and IPS. 2: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection.

# 3100

## Enterprise-grade security, performance and reliability

The Check Point 3100 Next Generation Security Gateway combines the most comprehensive security protections to safeguard your branch and small office deployments.

The 3100 Next Generation Security Gateway is available in a compact desktop form factor with a 320GB (HDD) or 240GB (SSD) disk. This powerful Next Generation Security Gateway is optimized to deliver real-world threat prevention to secure your critical assets and environments.

## Key Features & Benefits

Advanced Threat Prevention .....	1 <sup>st</sup> time prevention of known and zero-day threats
Uncompromising Performance ....	Achieve up to 425 Mbps of threat prevention throughput
Secure Encrypted Traffic .....	Consolidate SSL inspection into one integrated security platform



## THE CYBER SECURITY ARCHITECTURE OF THE FUTURE

### Branch and Small Office Security Gateways

#### ONE SECURITY PLATFORM

Leveraging unified threat  
intelligence  
and open interfaces

#### REAL-TIME THREAT PREVENTION

Blocking the most  
sophisticated attacks before  
they infiltrate the network

#### CONSOLIDATED MANAGEMENT

Single management,  
modular policy management  
and integrated threat  
visibility

## SPOTLIGHT

### 3100 SECURITY GATEWAY

- 1 Management 10/100/1000Base-T RJ45 port
- 2 5x 10/100/1000Base-T RJ45 ports
- 3 2x USB ports for ISO installation
- 4 RJ45/micro USB console port
- 5 Power connector



#### Prevent Known and Zero-day Threats

Zero-day protection offering network security with evasion-resistant malware detection and complete protection from the most advanced attacks, ensuring quick delivery of safe content to users.



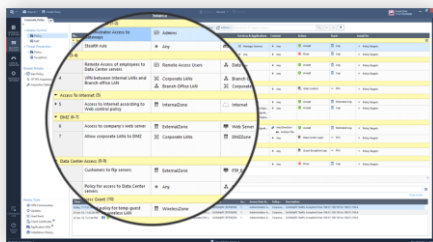
#### All-inclusive Security Solutions

Check Point 3100 Next Generation Security Gateway offers a complete and consolidated security solution available in two complete packages:

- ❖ Threat Prevention
- ❖ Threat Prevention + SandBlast

#### Prevent First

Unlike other integrated solutions on the market that rely on processing shortcuts such as scanning traffic in one direction, scanning only the beginning of the packet or are limited to a small set of apps or data types or file sizes, Check Point doesn't need to trade security for performance.



#### Integrated Security Management

3100 Security Appliances with the HDD option can manage itself and one adjacent appliance in a high availability deployment. Or manage the gateways via central unified management.

## ORDERING 3100 SECURITY GATEWAYS

BASE CONFIGURATION <sup>1</sup>	SKU
3100 Next Generation Security Gateway Base Configuration, includes 6x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year.	CPAP-SG3100-NGTP
3100 SandBlast Next Generation Security Gateway Base Configuration, includes 6x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, SandBlast (NGTX) Security Subscription Package for 1 Year	CPAP-SG3100-NGTX
SPARES AND MISCELLANEOUS	SKU
Replacement Power Supply for 3000 Security Gateways	CPAC-PSU-3000
Single/Dual chassis Rack Shelf for 3000 Security Gateways	CPAC-RM-DUAL-3000

## WELCOME TO THE FUTURE OF CYBER SECURITY

## Performance

### Ideal Testing Conditions

- 4 Gbps of UDP 1518 byte packet firewall throughput
- 1.1 Gbps IPS
- 850 Mbps of NGFW<sup>1</sup>
- 425 Mbps of Threat Prevention<sup>2</sup>
- 1.7 Gbps of AES-128 VPN throughput
- 40,000 connections per second, 64 byte response<sup>3</sup>
- 3.2M concurrent connections, 64 byte response<sup>3</sup>

### Enterprise Testing Conditions

- 3.15 Gbps of firewall throughput<sup>3</sup>
- 1.1 Gbps IPS
- 850 Mbps of NGFW<sup>1</sup>
- 340 Mbps of Threat Prevention<sup>2</sup>

1: Includes Firewall, Application Control and IPS with R80.20. 2: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection with R80.20.  
3: Tested with R80.10.

## Additional Features

### Highlights

- 1x CPUs, 4x physical cores (total)
- 1x 320GB HDD or 240GB SSD storage
- 8 GB memory

## Content Security

### First Time Prevention Capabilities

- CPU-level, OS-level and static file analysis
- File disarm and reconstruction via Threat Extraction
- Average emulation time for unknown files that require full sandbox evaluation is under 100 seconds
- Maximal file size for Emulation is 100 MB
- Emulation OS Support: Windows XP, 7, 8.1, 10

### Applications

- Use 8,000+ pre-defined or customize your own applications
- Accept, prevent, schedule, and apply traffic-shaping

### Data Loss Prevention

- Classify 700+ pre-defined data types
- End user and data owner incident handling

### Dynamic User-based Policy

- Integrates with Microsoft AD, LDAP, RADIUS, Cisco pxGrid, Terminal Servers and with 3<sup>rd</sup> parties via a Web API
- Enforce consistent policy for local and remote users on Windows, macOS, Linux, Android and Apple iOS platforms

## Network

### Network Connectivity

- Total physical and virtual (VLAN) interfaces per appliance: 1024/4096 (single gateway/with virtual systems)
- 802.3ad passive and active link aggregation
- Layer 2 (transparent) and Layer 3 (routing) mode

### High Availability

- Active/Active and Active/Passive - L3 mode
- Session failover for routing change, device and link failure
- ClusterXL or VRRP

### IPv6

- NAT66, NAT64, NAT46
- CoreXL, SecureXL, HA with VRRPv3

### Unicast and Multicast Routing (see SK98226)

- OSPFv2 and v3, BGP, RIP
- Static routes, Multicast routes
- Policy-based routing
- PIM-SM, PIM-SSM, PIM-DM, IGMP v2, and v3

## Physical

### Power Requirements

- Single Power Supply rating: 40W
- AC power input: 90 to 264V (47-63Hz)
- Power consumption max: 29.5W
- Maximum thermal output: 100.7 BTU/hr.

### Dimensions

- Enclosure: 1RU
- Dimensions (WxDxH): 8.3x8.3x1.65 in. (210x210x41.9mm)
- Weight: 2.9 lbs. (1.3 kg)

### Environmental Conditions

- Operating: 0° to 40°C, humidity 5% to 95%
- Storage: -20° to 70°C, humidity 5% to 95% at 60°C

### Certifications

- Safety: UL, CB, CE, TUV GS
- Emissions: FCC, CE, VCCI, RCM/C-Tick
- Environmental: RoHS, WEEE, REACH<sup>1</sup>, ISO14001<sup>1</sup>

<sup>1</sup>. factory certificate