

# QUANTUM 3600 SECURITY GATEWAY



**Check Point Quantum 3600 Next Generation Firewalls** enables enterprises to deploy the industry’s leading threat prevention capabilities at all points of their infrastructure, scaling security according to their changing business needs. This enables enterprises to prevent and block even the most advanced attacks, before they can disrupt business — greatly increasing the efficiency of their security operations.



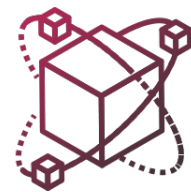
## Strengthen your Perimeter Protection

Extend enterprise security to remote branch offices



## Always Protected against Gen V Attacks

Highest caliber prevention with unified security



## Efficient Operations

Cut operation management time by up to 80%

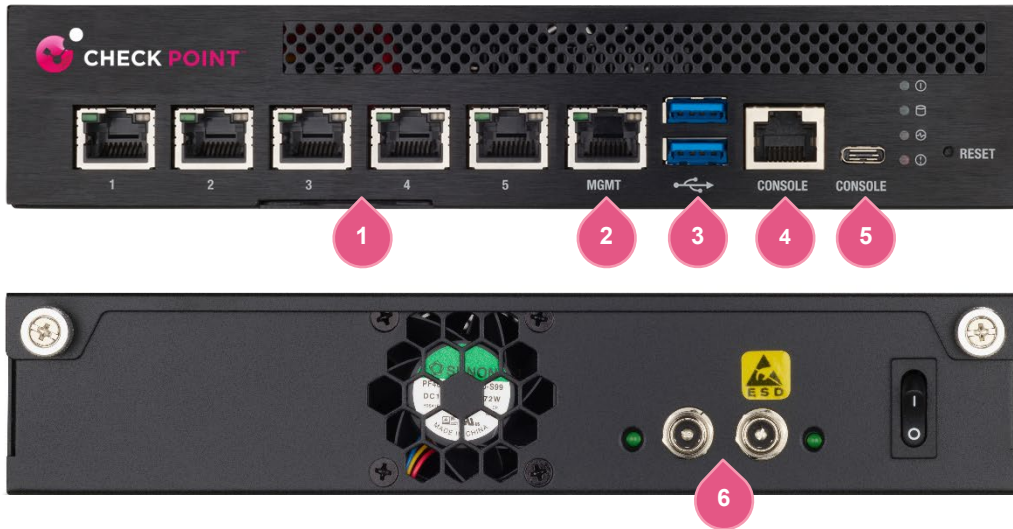
## PERFORMANCE HIGHLIGHTS

Gen II Security Firewall	Gen III Security NGFW <sup>1</sup>	Gen V Security Advanced Threat Prevention <sup>2</sup>
3.3 Gbps	1.5 Gbps	780 Mbps

Performance measured with enterprise testing conditions. Additional performance details on page 3. 1: Includes Firewall, Application Control, and IPS. 2: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection.

# SPOTLIGHT

## 3600 SECURITY GATEWAY



- |                                       |  |
|---------------------------------------|--|
| 1. 5x 10/100/1000 Base-T ports        | 4. RJ45 console port                               |
| 2. Management 10/100/1000 Base-T port | 5. USB Type-C console port                         |
| 3. 2x USB 3.0 ports                   | 6. 2x connectors to external power supply adaptors |

### Prevent Known and Zero-day Threats

Check Point SandBlast Threat Emulation is an evasion-resistant sandbox that provides zero-day protection from advanced and unknown threats. SandBlast Threat Extraction (CDR) ensures quick delivery of safe email and web content to users.

	NGFW	NGTP	SNBT
Firewall, VPN, Mobile Access	✓	✓	✓
Content Awareness	✓	✓	✓
Application Control	✓	✓	✓
Intrusion Prevention System	✓	✓	✓
URL Filtering		✓	✓
Antivirus and Anti-Bot		✓	✓
DNS Security		✓	✓
Threat Emulation (sandboxing)			✓
Threat Extraction (CDR)			✓
Zero Phishing			✓

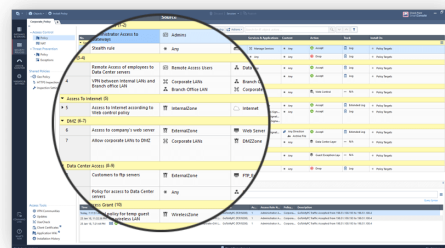
Next Generation Firewall, Next Generation Threat Prevention and SandBlast packages

### IoT Security

Quantum IoT Protect now provides autonomous threat prevention. Quantum Firewalls discover IoT assets, feed those to the IoT Cloud Service to automatically map IoT devices to profiles and then apply a zero-trust policy on the firewalls to prevent IoT threats in 5 minutes.

### Best-in-class Security Management

Unified management across networks and cloud environments increases operational efficiency and lowers the complexity of managing your security. One console can manage all aspects of security from policy to threat prevention.



### Integrated SD-WAN

Security protects you when you're connected. SD-WAN ensures you're always connected, and the connection offers the best user experience for the lowest cost. Quantum SD-WAN in Quantum firewalls keeps you secure and connected.

## ENTERPRISE-GRADE PLATFORM

1 GbE (copper)	Memory	Redundant Power
6	8 GB	○

○ optional accessory

## SPECIFICATIONS

### Performance

#### Enterprise Test Conditions

Threat Prevention <sup>1</sup> (Mbps)	780
NGFW <sup>2</sup> (Gbps)	1.5
IPS (Gbps)	1.99
Firewall (Gbps)	3.3

#### RFC 3511, 2544, 2647, 1242 Performance (Lab)

Firewall 1518B UDP (Gbps)	4
VPN AES-128 (Gbps)	2.71
Connections/sec	32,000
Concurrent connections	2M

1: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection with logging enabled. 2: Includes Firewall, Application Control and IPS with logging enabled.

### Additional Features

#### Highlights

- 1x CPUs, 4 physical cores
- 1x 240 GB SSD storage
- 8 GB memory
- Virtual Systems (maximum): 5

### 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 10,000+ 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

- Integrated SD-WAN network optimization and resilience
- 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 L2, Active/Passive L2 and L3
- 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: 100 to 240V (50-60Hz)
- Power consumption avg/max: 21W/25W
- Maximum thermal output: 85 BTU/hr.

#### Dimensions

- Enclosure: Desktop
- Dimensions (WxDxH): 8.3 x 8.3 x 1.65 in. (210 x 210 x 42mm)
- Weight: 3.1 lbs. (1.4 kg)

#### Environmental Conditions

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

#### 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

## ORDERING QUANTUM 3600 SECURITY GATEWAYS

BASE CONFIGURATION <sup>1</sup>	SKU
3600 Security Gateway Configuration, includes 6x 1GbE copper ports, 8 GB RAM, 1 240 GB SSD, 1 external AC power adaptor, SandBlast (SNBT) Security Subscription Package for 1 Year	CPAP-SG3600-SNBT
Quantum IoT Network Protection for 1 year for 3600 appliances	CPSB-IOTP-3600-1Y
Quantum SD-WAN subscription for 1 year for 3600 appliances	CPSB-SDWAN-3600-1Y

The Base package includes 2 trial virtual systems (VS). These are not additive or counted when adding additional VS licenses.

1. Renewal NGFW, NGTP and SandBlast (SNBT) packages are available in the online product catalog.

SPARES AND MISCELLANEOUS	SKU
Replacement/Additional Power Supply for 3600 and 3800 Security Gateways	CPAC-PSU-3600/3800
Rack Mount kit for the 1500, 3600 and 3800 Security Gateways	CPAC-1500/3600/3800-RM-DUAL

### All-inclusive Security

	NGFW	NGTP	SNBT (SandBlast)
	Basic access control plus IPS	Prevent known threats	Prevent known and zero-day attacks
Firewall	✓	✓	✓
VPN (IPsec)	✓	✓	✓
Mobile Access	✓	✓	✓
Identity Awareness	✓	✓	✓
Application Control	✓	✓	✓
Content Awareness	✓	✓	✓
IPS	✓	✓	✓
URL Filtering		✓	✓
Anti-Bot		✓	✓
Anti-Virus		✓	✓
Anti-Spam		✓	✓
DNS Security		✓	✓
SandBlast Threat Emulation			✓
SandBlast Threat Extraction			✓
Zero Phishing			✓
IoT Network Protection	optional	optional	optional
SD-WAN Network Optimization	optional	optional	optional

The first-year purchase includes the SNBT package. Security subscription renewals, NGFW, NGTP and SNBT are available for subsequent years. Optional security capabilities can be ordered a-la-carte or separately.