

Nokia IP Security Solutions

Nokia IP45



Nokia for Business



Nokia IP45 security platform is a feature-rich and pre-configured enterprise-class integrated security solution. It is designed to meet the needs of distributed remote and branch office (ROBO) environments, as well as small and medium business that need robust VPN connectivity and firewall protection at a low cost. Nokia IP45 includes enterprise-class firewall, IPSec VPN, intrusion prevention, and antivirus capabilities.

Nokia IP45 is an optimal integrated security solution for enterprises with branch and remote offices requiring simplified security deployments and manageability. Nokia IP45 consolidates proven enterprise-class technology into a single branch office solution and enables administrators to manage multiple remote appliances as easily as one.

The solution is pre-licensed with market-leading software for easy, out-of-the-box deployment. And like all Nokia appliances, the solution is optimized and fully tested to ensure high reliability. Nokia IP45 has no moving parts and simplified maintenance including automatic upgrades to provide robust and dependable service for years to come. The appliance combines Check Point software on a purpose-built and Nokia-designed hardware platform. It is well-suited for customers who demand reliability across the entire corporate network and integrated security with features such as multiple VPN connection options offering excellent performance.

Nokia IP45 provides exceptional price performance from a state-of-the-art system that enables full connectivity from remote to central offices or other multiple connection types. In addition to the LAN port, the Nokia IP45 has an Ethernet port to enable

customers to secure a wireless LAN or other computers on the same appliance without affecting a corporate connection. The Nokia IP45 is also equipped with an AUX serial port for out-of-band management for dial backup remote configuration and troubleshooting.

For multiple sites, Nokia IP45 provides powerful remote and local management capabilities through Nokia Horizon Manager, Check Point's SmartCenter and SmartLSM, and SofaWare's Security Management Portal. This allows the quick staging, easy installation of additional systems or configuring and upgrading appliances without network downtime. For local management, the console port is available for easy access via a Nokia command-line interface (CLI).

Four versions of the Nokia IP45 are available as robust enterprise class desktop devices. Nokia IP45 enables distributed enterprises, managed service providers and independent businesses to deploy VPN and security gateways with robust security and high performance quickly, easily and cost-effectively.

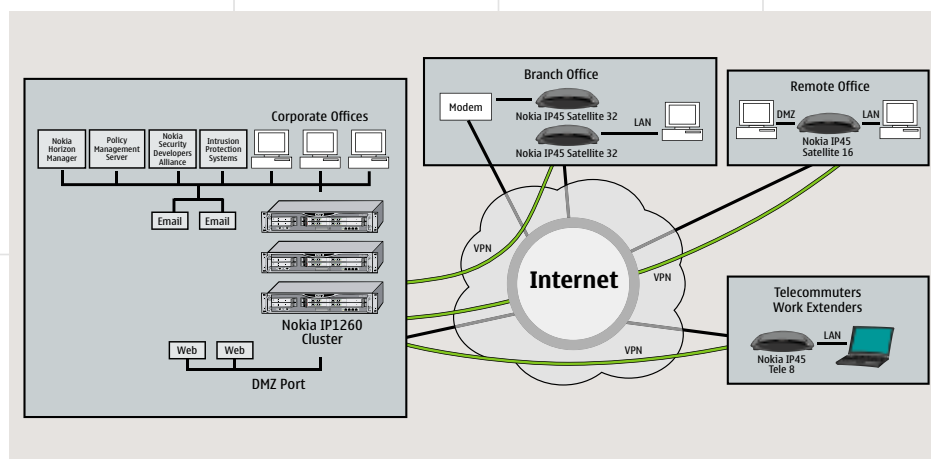
Best of all, security, performance and reliability are all backed 24/7 by world-class Nokia First Call—Final Resolution global support and services.

Four versions of the Nokia IP45 are available:

Nokia IP45 Tele 8 – includes 8 nodes for firewall and 8 tunnels for VPN client capabilities, specially designed for work extenders and home telecommuters.

Nokia IP45 Satellite 16/Nokia IP45 Satellite 32 – VPN gateway with integrated firewall that is ideal for site-to-site or client remote access scenarios; the Nokia IP45 Satellite 16 supports up to 16 nodes for firewall and 10 tunnels for VPN; the Nokia IP45 Satellite 32 supports up to 32 nodes for firewall and 10 tunnels for VPN.

Nokia IP45 Satellite Unlimited – VPN gateway with integrated firewall that is idea for growing offices and enterprises, enabling site-to-site or client remote access scenarios. The Nokia IP45 Satellite Unlimited supports an unlimited number of nodes for firewall and 10 tunnels for VPN.



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□ Technical Specifications

<p>Firewall Features</p> <ul style="list-style-type: none"> NAT (Network Address Translation) PAT / PNAT (Port Address Translation) INSPECT Policy Rules Anti spoofing Voice over IP (H.323) support Instant messenger blocking/monitoring P2P file sharing blocking/monitoring Predefined services User defined services Logging and alerting Configurable per Interface <p>Software Features</p> <ul style="list-style-type: none"> Anti Virus configuration: <ul style="list-style-type: none"> -Signature update -Rule base Policy Advanced Antivirus Settings (File Types, Archive File Handling and Corrupt Files) 802.1x port-based security Integrated L2TP VPN Server Enhanced Syn-Defender Configuration Smart Defense Policy Wizard New Administrative Role: Users Manager High Availability – WAN Virtual IP Backup DHCP Relay New Internet Connection Wizard New Security Level – Block All <p>Protection from DoS Attacks</p> <ul style="list-style-type: none"> SYN attack Nestea Land attack ICMP flood Ping of Death UDP flood TearDrop Smurf IGMP fragments Bonk DDoS protection Non-TCP Flooding Invisible to Port Scan DoS and DDoS Malformed packets Malicious packet IGMP Peer to Peer Instant Messaging Traffic Smart Defence Application intelligence <p>VPN Connectivity</p> <ul style="list-style-type: none"> Site-to-Site VPN Gateway Client-VPN Connections 3DES, DES, AES, SHA1, MD5 Encryption IPSec NAT traversal (NAT-T) IPSec VPN pass-through Redundant VPN gateways Remote-Access VPN Server with OfficeMode and RADIUS support Remote-Access VPN Client PPPoE support PPTP support DHCP client/server AUX Port for dial backup DMZ Port to connect a second LAN or computer 	<p>Networking</p> <ul style="list-style-type: none"> DHCP server, client, and relay MAC Cloning for WAN2 Static NAT Dead Internet Connection Detection (DCD) VLAN Support Bandwidth management (QoS) Wireless Hotspot feature Radius realms and attributes <p>Routing</p> <ul style="list-style-type: none"> BGP v4 OSPF <p>Statistics</p> <ul style="list-style-type: none"> Firewall (80 Mbps) VPN (20 Mbps, 3DES) <p>Management</p> <ul style="list-style-type: none"> Local management: <ul style="list-style-type: none"> - SSH Access - Serial CLI Remote Management: <ul style="list-style-type: none"> - Nokia Horizon Manager - Check Point SmartCenter - Check Point SmartLSM - Check Point SmartUpdate - Check Point Provider-1 - SofaWare SMP v3.x and 4.x - SNMP NTP automatic time setting Out-of-Band Management using PPP Automatic Firmware updates using SMC Check Point Logging Server <p>Environment</p> <ul style="list-style-type: none"> Temperature: 5°C to 40°C Humidity: 10% to 90% (non-condensing) Storage temperature: -20°C to 60°C <p>Supported Standards</p> <ul style="list-style-type: none"> IPSec (RFCs 2401-2411, 2451) PPTP (RFC 2637) GRE (RFCs 1701 & 1702) Generic Routing Encapsulation Passthrough BGP v4 (RFC 1771) Border Gateway Protocol IKE (RFC's 2409, 2410) Internet Key Exchange Directive 2002/95/EC Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive 2002/96/EC Waste Electrical and Electronic Equipment (WEEE)
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