Nokia for Business

Nokia IP Security Solutions

Nokia IP1260

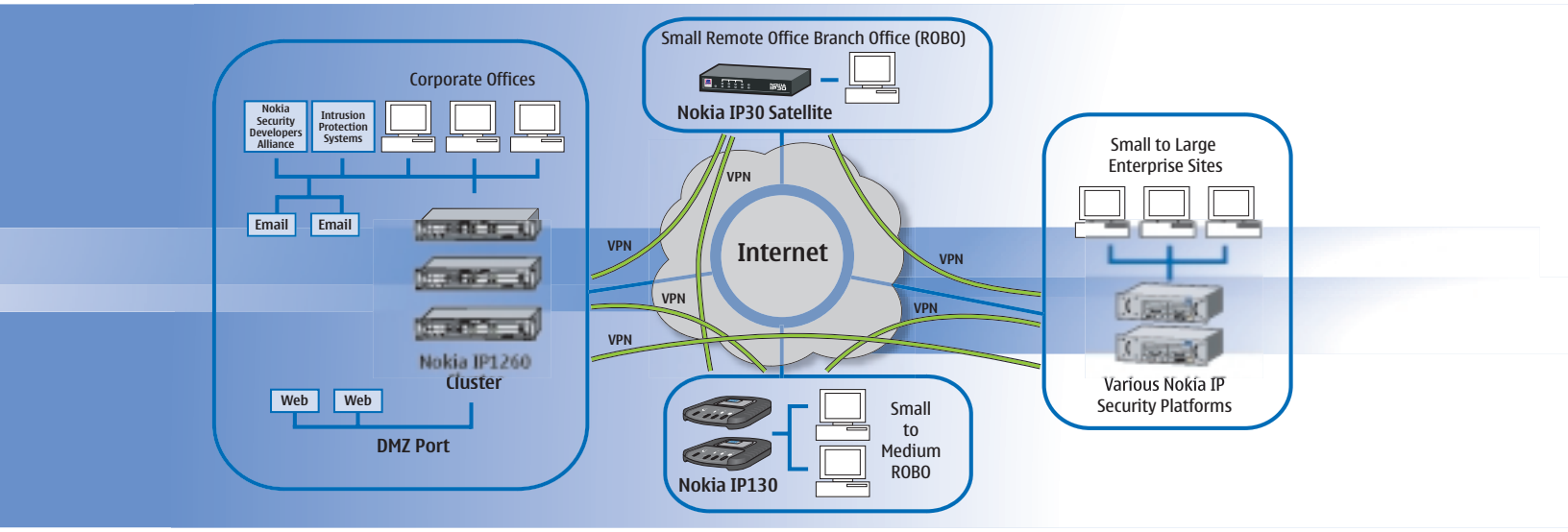
Nokia IP1260 supports high performance traffic levels prevalent in complex network infrastructures deployed by large enterprise, service providers and data centers.

Nokia IP1260 incorporates leading technology for a resilient long-term perimeter security solution with performance for high traffic sites. It combines market-leading Firewall/VPN software with the Nokia IPSO™ secure operating system on a purpose-built and designed hardware platform. From inception, Nokia IP1260 was meant for growth to continually meet increasing network traffic needs. To ensure maximum performance and network uptime, Nokia IP1260 provides redundant features in Nokia IPSO such as VRRP and Nokia IP Clustering as well as built-in hardware redundant capabilities. The redundant hardware features include hot swap interface cards, load sharing power supplies and fans as well as mirrored hot swap hard disks.

Nokia continues to deliver industry-leading solutions to meet stringent customer security needs with best-of-breed technology partners Check Point Software Technologies for VPN-1/FireWall-1 and other certified software solutions through the Nokia Security Developers Alliance. Nokia IP1260 combines excellent price/performance with superb management to deliver industry best power, redundancy and overall capabilities to effectively support large financial institutions, high-end service providers, large enterprise, carrier and data center networks —all at a low Total Cost of Ownership.

The Nokia IP1260 value is further enhanced with a high speed encryption accelerator card, dual power supply, mirrored hard disks and 1GB of memory included in the base system so it is delivered redundant-ready. Nokia IP1260 has excellent expansion capacity to connect a multitude of network segments for a large and growing network infrastructure. Additionally, it can be managed by web-based Nokia Network Voyager or CLI interface for single device management, or Nokia Horizon Manager for multi-device management. Nokia IPSO brings added value to Nokia IP1260 with support for a wide array of protocols such as RADIUS client server, TACACS+ Client and others.

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



NOKIA
CONNECTING PEOPLE

Nokia IP1260 At a Glance

Internet Protocols

- ARP
- BGP-4 [software option]
- Bootp/DHCP Relay
- CIDR
- COPS
- Diff Serv (Expedited Forwarding)
- DVMRP
- GRE
- ICMP
- ICMP Router Discovery
- IGMP
- IGRP [software option]
- IP (RFC 791)
- IPv6 core protocols
- OSPF
- PIM-DM
- PIM-SM
- Multicast Tunnels
- RIP
- RIPv2 with MD5 authentication
- Route Aggregation
- Route Redistribution
- Static Routes
- UDP
- Un-numbered Interfaces

LAN Support

- 10/100 Mbps Ethernet
- 10/100/1000 Mbps Ethernet
- 1000 Mbps Ethernet MMF
- Transparent (Bridging) mode
- VLAN tagging

WAN Support

- Frame Relay
- HDLC (Cisco-compatible)
- HSSI [interface card option]
- ISDN [interface card option]
- PPP
- T1/E1 [interface card option]
- V.35 [interface card option]
- X.21 [interface card option]

Performance

- Firewall – large packets
  - 4.2 Gbps
- VPN – large packets
  - 350 Mbps 3DES
  - AES

Management

- Nokia Network Voyager (HTTP server)
- Command Line Interface (CLI)
- Command line utilities
- DHCP
- FTP
- SNMPv1/v2c/v3
- SSH (for CLI)
- SSL/TLS (for Nokia Network Voyager)
- Telnet (for CLI)
- Supported in Nokia Horizon Manager

Application Acceleration

- VPN Acceleration
- Firewall Flows

Environment

- Temperature: 5°C to 40°C
- Humidity: 10% - 90% (non-condensing)
- Altitude: 10,000 ft

High Availability

- Hot Swap
- Disk Mirroring
- Nokia IP Clustering
- VRRP
- Check Point VPN-1/FireWall-1 State Sync

Security

- Access Control Lists
- Centralized Authentication
- Cryptographic Acceleration
- DNS Client
- IPSec
- MD5 Routing Authentication (RIPv2)
- NTP Client and Server
- RADIUS Client
- Read/Write and Read-Only Administrative Access
- S/Key (one-time password)
- SSH
- SSL/TLS
- TACACS+ Client
- Traffic Management

System Indicators

- Power and Fault
- Port Status
- Operational, activity, hard drive hot-swap status
- Power PMC carrier card

Certifications

- ICSA
- EAL4 Common Criteria (ISO/IEC 15408)

Safety

- UL1950, CAN/CSA 22.2, No. 950-M95, (CE Mark) EN60950:1992, A1, A2:1993, A3:1995, A4:1997, A11:1998 with Japanese National Deviations

Emission Compliance

- FCC Part 15, Subpart B, Class A, EN50024, EN55022A 1998, CISPR 22 Class A 1985, EN61000-3-2, EN61000-3-3

Immunity

- EN55024 1998

Nokia IP1260

Large Enterprise, Data Centers and Service Providers

Standard:
4 integrated 10/100 Ethernet ports
2 6U CPCI slots for 4 PMC NICs
2 Type II PCMCIA slots
Nokia Encryption Accelerator IV

Optional PMC Network Interface Card:
- Dual port 10/100 Ethernet
- Dual port Multi-mode fiber (MMF) GigE
- Single-Port V.35, Single-Port X.21
- Single-Port ISDN BRI S/T
- T1 single port
- E1 single port
- Dual port Copper GigE

Hardware:
Height: 3.46 in. (8.79cm) – 2RU
Width: 19 in. (48 cm) – w/rack mounting ears
Depth: 21.15 in. (53.72 cm)
Weight 36 lbs / 16 kg
Front access for maintenance

Power Requirements:
AC Input Voltage 100-120V/200-240VAC
Frequency 50/60Hz
AC Input Current 3.0/1.5A

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