

# IP Network Security Solutions



## Nokia IP530

The Nokia IP530 is an optimized, high-performance security platform delivering firewall, VPN and intrusion detection systems to large enterprises. The Nokia IP530 is purpose-built for the most demanding network environments such as high traffic e-commerce sites, corporate data warehouses, and service provider data centers. At 2 rack units, the Nokia IP530 is a high port density system, conserving valuable rack space. Additionally, an internal PMC slot allows the IP530 robust VPN hardware acceleration support, while preserving external interfaces.

The Nokia IP530, with its wide variety of connectivity options including 10/100 Ethernet, high speed ATM, HSSI, and wide area network interfaces such as V.35/X.21, or T1/E1, easily integrates into any network architecture.

## Nokia IP530 at a Glance

### Internet Protocol

- IP RFC791
- ICMP RFC792
- ARP RFC826
- ICMP Router Discovery (Server) RFC1256
- CIDR RFC1519
- Static Routes
- RIP RFC1058
- RIP Version 2 (with authentication) RFC1723
- OSPF RFC2328
- DVMRP (multicast) RFC1075
- IGMP (multicast) RFC2236
- PIM-DM (multicast)
- Multicast Tunnels
- IGRP (optional) Cisco
- BGP4 (optional) RFC1771
- IPv6 core RFCs
- Requirements for IPv4 Routers RFC1812
- Differentiated Services (EF) RFC2598
- Bootp/DHCP Relay RFC2131
- Route Aggregation
- Route Redistribution
- Unnumbered Interfaces

### LAN Support

- 10/100 Mbps Ethernet

### WAN Support

- PPP RFC1661, 1662
- Frame Relay FRF.1, RFC1490
- HDLC Cisco
- ATM
- ISDN BRI

### Management

- SNMP RFC1157
- SNMPV2c
- Telnet RFC854
- FTP RFC959
- SSH (secure Telnet & FTP)
- HTTP Server RFC2068
- SSL/TLS RFC2246
- Command Line Utilities

### High Availability

- VRRP RFC2338
- FireWall-1 State Sync

### Security

- Secure Administrative Access
- Read/Write and Read-Only Access Modes
- SSH (secure Telnet & FTP)
- SSL/TLS (secure HTTP) RFC2246
- S/Key (one-time password) RFC1760
- Access Control Lists
- Traffic Management
- MD5 Routing Authentication (RIPv2) RFC1723

### Application Acceleration

- Firewall Flows
- VPN Acceleration Card (optional)

### System Status

- Indications
- 10/100 Ethernet port status

### Environment

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

### 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 IP530

**Standard:**  
 4 integrated 10/100 Base-T Ethernet ports  
 3 CPCI Interface Slots  
 2 Type II PCMCIA slots  
 1 internal PMC slot (for VPN acceleration)

**Optional Interfaces:**  
 - Quad-port 10/100 Ethernet  
 - T1/E1 with CSU/DSU  
 - Single- and dual-port serial V.35/X.21  
 - HSSI  
 - ATM Multi-Mode Fiber  
 - External Modem  
 - ISDN-BRI (Euro-ISDN)

Height 3.5 in. / 9 cm (2RU)  
 Depth 16 in. / 41 cm  
 Width 17 in. / 44 cm  
 Weight 33 lbs. / 15 kg  
 Standard 19-inch rack mountable



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