

IP Network Security Solutions



Nokia IP440

The Nokia IP440 is the established standard for network security. It is an optimized enterprise-class security platform, delivering firewall, VPN, and intrusion detection systems to corporate data centers and medium to large enterprises. The Nokia IP440 is purpose-built for demanding network environments that must maximize return on investment in IT and security resources. The Nokia IP440 provides the highest level of security with four PCI interface slots that can be adapted to any network architecture. The wide variety of connectivity options include quad port 10/100 Ethernet, high speed ATM, HSSI, and wide area network interfaces such as V.35/X.21, or T1/E1.

Nokia IP440 at a Glance

Internet Protocol

- IP RFC791
- ICMP RFC792
- ARP RFC826
- ICMP Router Discovery (Server) RFC1256
- CIDR RFC1519
- Static Routes RFC1058
- RIP
- RIP Version 2 (with authentication) RFC1723
- OSPF RFC2328
- DVMRP (multicast) RFC1075
- IGMP (multicast) RFC2236
- PIM-DM (multicast)
- PIM-SM
- Multicast Tunnels
- IGRP (optional) Cisco RFC1771
- BGP4 (optional) core RFCs
- IPv6 RFC1812
- Requirements for IPv4 Routers RFC2598
- Differentiated Services (EF) RFC2131
- Bootp/DHCP Relay
- 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
- T1 (optional)
- V.35/X.21 (optional)

Management

- SNMP RFC1157
- SNMPv2c
- SNMPv3
- Telnet RFC854
- FTP RFC959
- SSHv2 (secure Telnet & FTP)
- HTTP Server RFC2068
- SSL/TLS RFC2246
- Command Line Utilities
- Supported in Nokia Horizon Manager

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
- Centralized Authentication
- Native IPSEC (for non-firewall applications)

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, CE Mark, CUL/CSA 22.2 NO. 950-M93, IE950, TUV EN60950

Emission Compliance

- FCC Part 15, Class A, EN55022 (CISPR22, Class A) CEMark



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Standard:

4 PCI Interface Slots

Optional Interfaces:

- Quad-port 10/100 Ethernet
- Single-port 10/100 Ethernet
- T1 with CSU/DSU
- Single and dual-port serial V.35/X.21
- HSSI
- FDDI
- ATM Multi-Mode Fiber
- Analog Modem

Height 7 in. / 18 cm
 Depth 18 in. / 46 cm
 Width 17 in. / 43 cm
 Weight 42 lbs. / 19 kg
 Standard 19-inch rack mountable.



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