

IP Network Security Solutions



Nokia IP740

For network security administrators who have standardized on Nokia's security platforms, the Nokia IP740 is a new Service Provider class platform designed for maximum network uptime with its "hot swappable" components and redundant power supply option. The Nokia IP740 offers market-leading security applications such as Check Point™ VPN-1™/FireWall-1® and Internet Security Systems™ (ISS) RealSecure™ for Nokia. A 3 RU system, the IP740 is purpose-built for ease of deployment, remote management and high performance and is backed with our world-class First Call-Final Resolution technical support. Exceeding a Gigabit per second of firewall throughput, the Nokia IP740 is our highest performing platform, extending our customer's options while fully leveraging their existing investments in training and personnel—helping them build a consistent and reliable security infrastructure.

The IP740 comes with four CPCI slots for optional WAN and LAN interfaces. The wide variety of connectivity options include optical Gigabit Ethernet, 4-port 10/100 Ethernet, and wide area network interfaces such as V.35/X.21 or T1/E1, allowing the IP740 to be easily integrated into any network architecture.

Nokia IP740 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)
- PIM-SM
- 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
- Multi-mode fiber Gigabit Ethernet

WAN Support

- PPP RFC1661, 1662
- Frame Relay FRF.1, RFC1490
- HDLC Cisco
- ISDN BRI
- T1/E1 (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, 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 IP740

Standard:

- 4 integrated 10/100 Base-T Ethernet ports
- 4 CPCI slots for Network Interface Cards
- 2 Type II PCMCIA
- 1 internal PMC socket for VPN and firewall acceleration

Optional Interfaces:

- Quad port 10/100 Ethernet
- T1/E1 with CSU/DSU
- Dual port serial V.35/X.21
- ISDN BRI (Euro ISDN)
- Multi-mode fiber Gigabit Ethernet

Height 5.1 in/13 cm (3U)

Depth 21 in/53 cm

Width 17 in/44 cm

Weight 36 lbs/16 kg

Standard 19-inch rack mountable

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