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™ 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 Nokia's world-class First Call–Final Resolution technical support. Achieving 2 Gigabits per second of firewall throughput, the Nokia IP740 is our highest performing platform, extending customer options while fully leveraging their existing investments in training and personnel—allowing them to continue to build and manage a consistent and reliable security infrastructure.

The Nokia 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
• 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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Nokia Internet Communications

Americas
Tel: 1 877 997 9199
E-mail: internet.na@nokia.com

Europe, Middle East and Africa
European Customer Inquiry Number (toll-free): 00800 5543 1816
Outside toll-free area: +49 231 754 6011
E-mail: internet.emea@nokia.com

Asia Pacific
Tel: +65 588 3364
E-mail: internet.apac@nokia.com

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