

Introducing the New Nokia IP350 and IP380

Delivering a New Generation
of Security Appliances Designed
With Customer Needs in Mind



Nokia IP350 and Nokia IP380

- Why the IP350 & IP380 Are So Important
 - The Markets
- Meet the Systems
 - The IP350 in Detail
 - The IP380 in Detail
 - The Advanced Architecture
 - VPN Acceleration and Interface Cards
- The Entire Nokia IP Family
- Global Support and Services
- General Summary

The Markets

- “Small Enterprise” Appliance Market — <\$20K Appliance
 - Rapid Growth Within Emerging Market Sector (IDC Data) to Volumes of 1M+ Units
- Target Market Requirements
 - Small Business or Satellite Corporate Office With 25 - 100 Users (**IP350**) and 100 - 250 Users (**IP380**)
 - Office Typically Shares Network Resources Via Small LAN
 - Lack IT Resources — Requires Easy to Deploy Security Appliances
 - Global Management Consistent With Data Center Appliances
 - IP350 and IP380 Solution — VPN Gateway to Large Enterprise and Service Providers
- New Security Appliance Price/Performance Standard
 - Flexible Base System for Rapid Deployment Worldwide

Why the IP350 & IP380 Are So Important

- Hits Market Sweet Spot
 - IDC: Over 65% of Product Sold Are Below \$20k Solution Cost
 - New Price / Performance / Flexibility Standard Unique to Nokia
- Performance That Beats the Competition
 - Advanced Design and Performance Versus NS204 & NS208
 - NetScreen's New 204 & 208 Are Rigid Inflexible Systems
 - Want to Add Ports to a NS204 – Buy a NS208
 - Significant Price Performance Advantages Over Cisco
- Part of the Nokia Integrated Family of Security Solutions
 - Fills Gap at the Sub-\$10,000 Mark
 - Enough Port Density to Address 80% of Market Needs
 - Delivers Performance & Flexibility
 - Central Management Through Nokia Horizon Manager

Nokia IP350

- High Speed Performance
 - Optimized for Check Point NG
 - Standard 256MB RAM (512 Max)
 - 350 Mbps for NG FW-1
 - 60 Mbps 3DES VPN
 - IDS for 10/100 Ethernet
- Flexible Connectivity
 - 4 Integrated 10/100 Ethernet Ports
 - 2 Option Slots for Dual WAN
 - WAN Connection Backup
 - 2 Type II PCMCIA Modem Slots
- Rapid Serviceability
 - Slide Out Access Tray

**Small- and Medium-
Enterprise Security Platform**



Nokia IP380

- High-speed Performance
 - Optimized for Check Point NG
 - Standard 256MB RAM (1024 Max)
 - 600 Mbps for NG FW-1
 - 90 Mbps 3DES VPN
 - 130 Mbps 3DES VPN W/ Accelerator
 - IDS to Support 100mbps Line Speed
- Real-world Traffic Flexibility
 - Up to 8 Ethernet Ports
 - 4 Integrated 10/100 Ethernet Ports
 - 2 Type II PCMCIA Modem Slots
 - 2 Option Slots
 - Dual 10/100 Mbps Ethernet or WAN
 - 1 Internal PMC Slot for the Nokia VPN Encryption Accelerator
- Easily Serviceable
 - Slide Out Access Tray

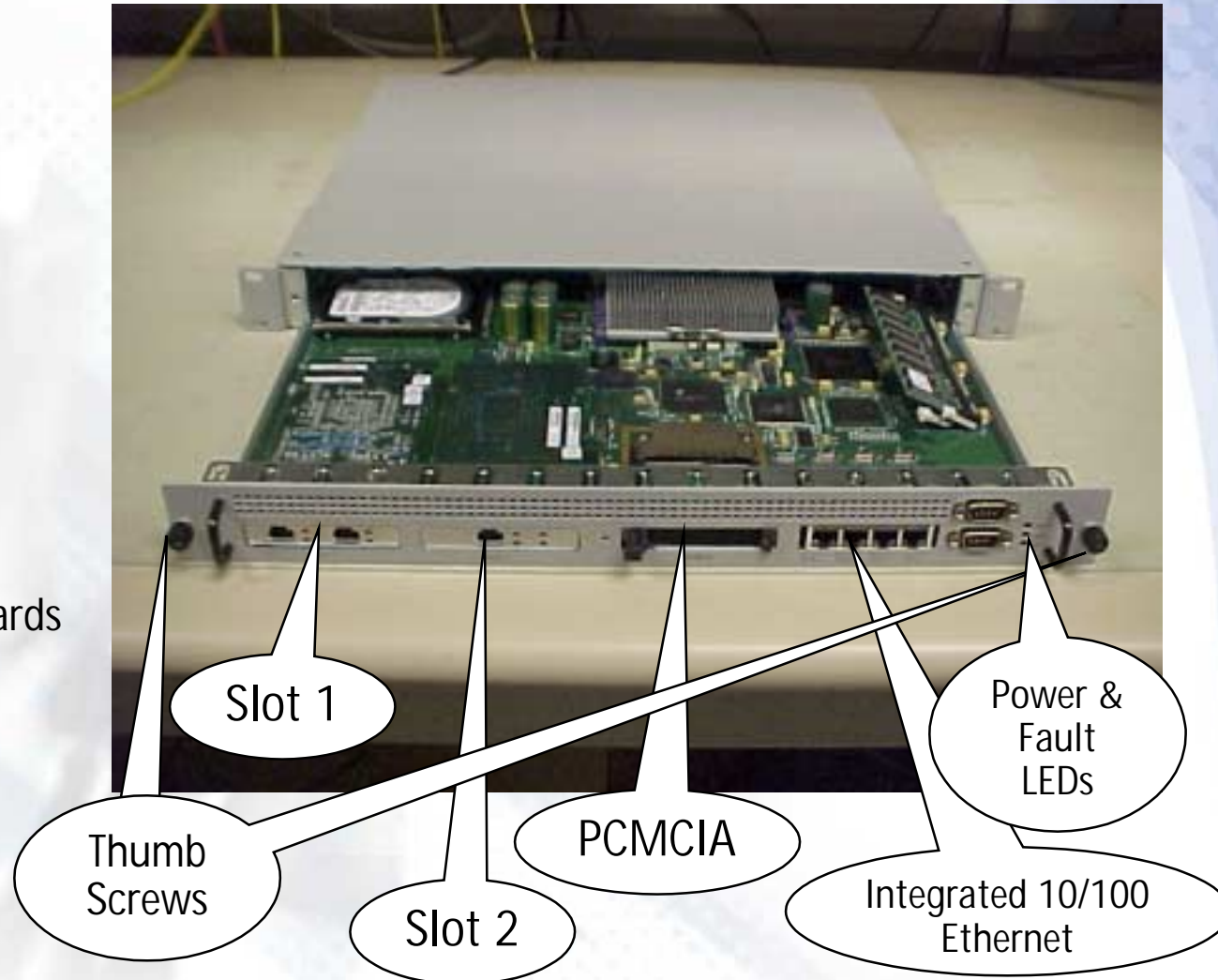
Medium-Enterprise Security Platform



Nokia IP350 and IP380

Advanced Architecture

- Motherboard on Slide-out Tray
 - 1 RU Form Factor
 - Easily Serviceable
 - Auto Power Disconnect
 - Console Port
 - Auxiliary Port
 - FRU'able Internal Components
 - External Facing Interface Cards in Slot 1 & 2
 - Hard Drive
 - Memory DIMMs
 - VPN Card (IP380 Only)



IP350 & IP380 OS and Applications








- IP350 and IP380 Run With IPSO 3.5.1
 - Not Backward Compatible With Older IPSO Versions
 - Customers Cannot Down-grade Factory Ship Software
- Checkpoint NG FP2 Support
 - No Support for Check Point 4.1 Code Series
- ISS Real Secure 6.5 Support
 - IP350 Can Be Deployed to Support 10/100 Ethernet
 - IP380 Can Support 100 Mbps Sensor Rates, Full Duplex (200 Mbps)





IP350 and IP380 In the Nokia Portfolio

Meet all the Nokia the Players

	Data Center
	Regional Center
	Medium-Size Office
	Remote Office
	Branch Office
	Satellite Office
	Telecommuter, Day extender



"Check Point has chosen the Nokia IP Series as the Preferred Platform for Check Point's extensive suite of security software."

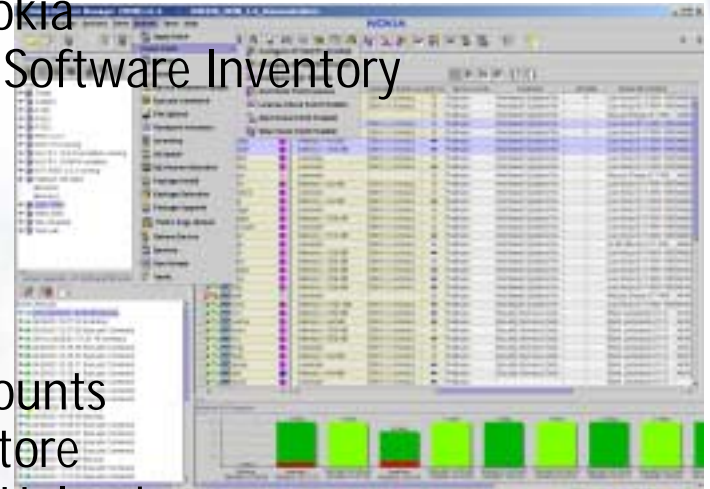
Gil Shwed,
CEO and Chairman,
Check Point Software

Full VPN-1/
FW-1 &
RealSecure
Support

Performance & Functionality →

Nokia Horizon Manager

- Simple, Remote, Secure, Rapid Deployment & Image Management
- For Multi-appliance Management, Quickly Perform Secure, Remote OS and Application Upgrades, Rollbacks, Backups and Recovery.
 - Software Distribution for Nokia IPSO and 3rd Party Software
 - Check Point VPN-1/FW-1 and RealSecure for Nokia
 - Installation and Upgrades, Backup and Restore, Software Inventory
 - Initial Configuration and License Distribution
 - Flexible and Intuitive Grouping of Devices
 - “Do No Harm” Intelligence
 - Up to 2,500 Nokia IP Security Platforms
 - Role Based Administration & Multiple User Accounts
 - Disaster Recovery Via Configuration Backup/restore
 - Platform Management Via Script-runner & File Upload
 - Asset Management Via Software, Hardware, & CP License Inventory
 - Keep Security Level Current With “Patch” Install



Nokia Global Support and Services Mission

- Total Customer Satisfaction Through Outstanding Performance
- Provide Competitive, Consistent and Valuable Service to Customers Around the World
- Constant Improvement Through Customer Feedback at Every Service Touch Point
- Utilize Advanced Technologies to Deliver and Monitor Customer Interactions, Empower Customer Independence, Enhance the Customer Experience
- Empower Channels and Customers to Leverage Our Investments and Global Reach
- Deliver *First Call – Final Resolution* Support Experience for Nokia Solutions



Nokia Delivers

- The Ultimate Check Point VPN-1/FireWall-1, RealSecure for Nokia
- Easy to Sell High Margin Solutions
- Solutions That Uniquely Combine Best-in-class Applications With World-class Routing/networking Functionality
- Solutions for Selling up and Cross Selling
- Nokia Platforms That Are Optimal For:
 - High-Availability Internet Applications
 - High Performance Secure Internet Access
 - Dedicated VPN
- Integration and Configuration
- Comprehensive Channel Program
- First Call – Final Resolution Technical Support



*A Leading Edge Solution to Simplify
a Complex Value Proposition*

IP350 and IP380 In Depth

Nokia IP350 & IP380 Engineering

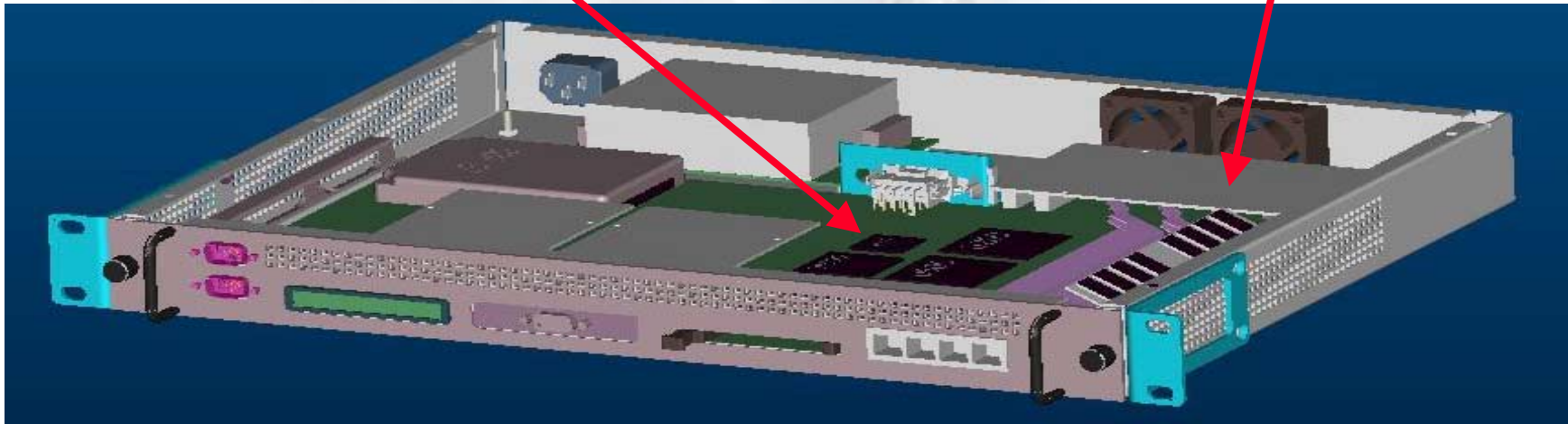
- Hard Drive
 - 2½" HDD
 - 10 GB
 - Screwed to Motherboard
 - Hard Mount Connector
- Power Supply
 - Internal
 - International auto sensing
 - Uses Standard Power Cord
 - Not FRU'able
- Memory
 - Two DIMM slots
 - Ships with 256MB RAM
 - IP350 upgrade to 512MB RAM
 - IP380 upgrade to 1024MB RAM



Nokia IP350 & IP380 VPN Acceleration

- On Board Encryption Chip
 - Nokia / Broadcom Drivers for Check Point NG VPN-1
 - Delivers Competitive Level of Acceleration

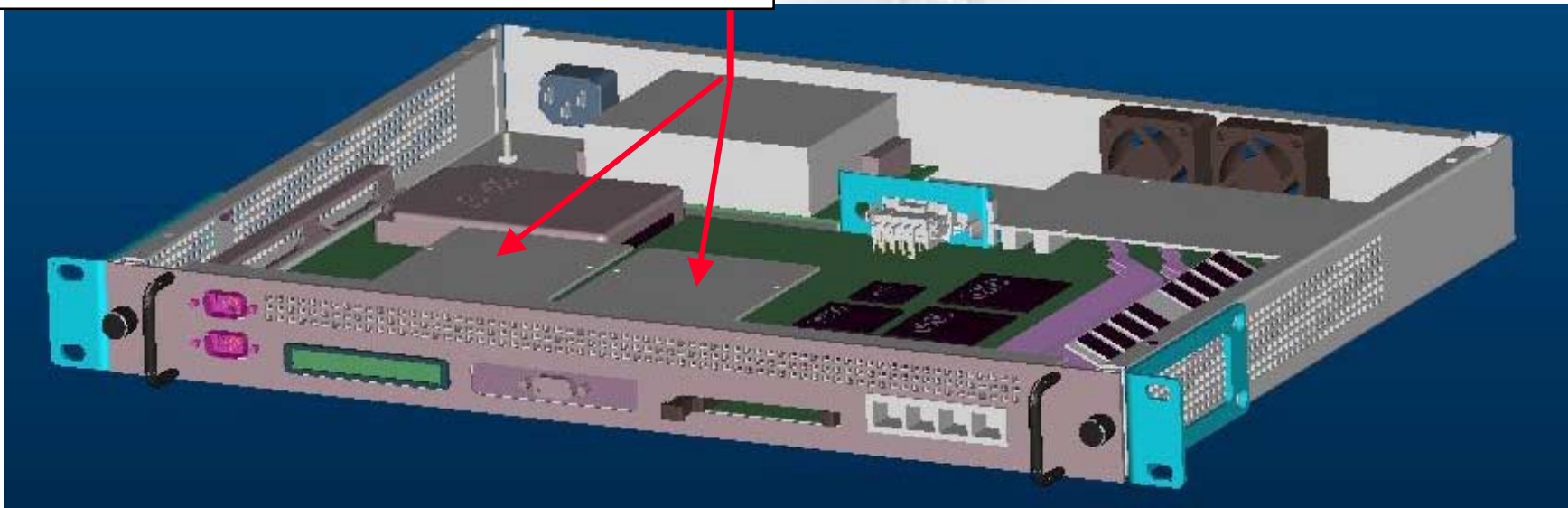
- Replaceable Card, IP380 ONLY
 - Same Card Used in IP530, IP740
 - No New Software Required
 - High VPN Throughput at Low Additional Cost



Nokia IP350 & IP380 Interface Cards

- External Facing Interface Cards
 - Dual Port 10/100 Ethernet
 - Up to 8 Ports of 10/100 Ethernet
 - Single Port ISDN (S/T Interface)
 - Single Port V.35 or X.21 – Sep 02
 - Future – 2003 - T1, E1

- Be Aware....
 - PMC Form Factor Not Compatible With Other NICs
 - Not Hot-swappable
 - Must Be Screwed Down
 - Four Screws, One Near Each Corner



The background of the image is a photograph of a modern, multi-story glass skyscraper under a clear blue sky with a few wispy clouds. The building's glass facade reflects the sky and surrounding environment. In the foreground, at the base of the building, several people are walking, their figures slightly blurred, suggesting movement. The overall scene conveys a sense of modernity and connectivity.

NOKIA

CONNECTING PEOPLE