Check Point Factsheet: IP Appliance—Model IP2457

OVERVIEW
Proven for years in complex networking and performance demanding environments, Check Point IP Appliances™ offer customers integrated turnkey security functionality such as firewall, VPN, and intrusion prevention across a wide range of models.

Optimized for Check Point Security Gateway software, the IP Appliances offer unsurpassed scalability, high performance, manageability, and high port densities that reduces operational costs in complex, mission-critical security environments. IP Appliances enable customers to extend unified security architecture from the network core out to branch and remote offices.

Using just a two-rack-unit form factor, IP2457 security platform features a dual quad-core Intel Xeon™ processor, optimized to provide scalability and investment protection by enabling customers to boost performance as needed with the addition of one high port density Accelerated Data Path (ADP) module.

BASE CONFIGURATION:
- Dual Quad Core CPU
- 4 ports of 10/100/1000Base-T; up to 32 maximum GbE ports
- 5 front-facing PMC/XMC expansion slots
- Console port, Auxiliary ports (RJ45 and USB)
- Includes VPN acceleration card
- Dual hot swappable AC or DC power (for load-sharing and redundancy)
- Dual front facing hot swappable HDDs
  - 80 GB HDD (optional 2nd 80GB HDD for RAID 1 disk mirroring)
- Hard Drive and RAM
  - HDD-Based System
    - 80 GB HDD
    - 4 GB DRAM, 128 MB compact flash
  - Flash-Based System
    - 4GB compact flash
    - 4 GB DRAM

BENEFITS
- Integrated security appliances based on Check Point Software Blade Architecture for fast, flexible deployment of security functionality
- Scalable, modular, and configurable security architecture with multiple acceleration (ADP service modules), security, and interface options insures investment protection
- Achieve high performance across a broad spectrum of traffic types
- Enterprise-class high availability, scalability, and fault tolerance to insure network resiliency and business continuity
- Carrier-grade serviceability and redundancy
- Streamlined IT efficiency with advanced management tools for installation, configuration, and maintenance IP Appliances come in six models that deliver security solutions ideal for large enterprises, carrier-grade networks and remote and branch offices.
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TECHNICAL SPECIFICATIONS

LAN Support
- 10/100 Base-T (10/100 Mbps • Ethernet) – PCI Mezzanine Card (PMC)
- 1000Base-T (10/100/1000 Mbps Ethernet) – PMC
- 1000Base-SX (1000 Mbps Ethernet) – SFP, Multi-Mode Fiber (MMF) ADP
- 1000Base-LX (1000 Mbps Ethernet) – SFP, Single-Mode Fiber (SMF) ADP
- 10 GBase-SR (10 Gbps Ethernet) – XFP, MMF ADP
- 10 GBase-LR 10 km (10 Gbps Ethernet) – XFP, SMF ADP
- Up to two ADP modules can be installed

FLASH Base System Configuration
- 4 GB CompactFlash
- Dual, Redundant Hot-Swappable Power Supplies
- 4 GB System RAM (expandable via 8 DIMM slots)
- 4-port 1000Base-T Ethernet NIC

HDD Base System Configuration
- 128 MB CompactFlash
- Dual, Redundant Hot-Swappable Power Supplies
- 4 GB System RAM (expandable via 8 DIMM slots)
- One 80 GB HDD
- 4-port 1000Base-T Ethernet NIC

Performance
- Firewall – 11/30 Gbps
- Maximum concurrent sessions – 1M default, 3.3M (with memory upgrade & GAiA OS)
- VPN – 1.9/8.3 Gbps
- IPS – 9 Gbps

1 Performance without ADP/with ADP
Note: Performance data represents the maximum capabilities of the systems as measured under optimal testing conditions.

1. Optional redundant hard disk drives w/carriers
2. Console port
3. Auxiliary port
4. USB port
5. PMC expansion slot for optional PMC or XMC network interface cards
6. Management and sync ports
7. Optional PMC/XMC network interface cards (6U carrier is needed) or ADP module (comes with carrier)
8. Optional PMC/XMC network interface cards (6U carrier is needed) or ADP module (comes with carrier)
9. Slide-out chassis tray
System Indicators
- 10/100/1000 Ethernet Port Status
- Power Status on System
- Failure Status on System
- Port Status on Network Interface Cards
- System Operational Indicator

Dimensions
- Standard: 17.23 x 24.11 x 3.46 in.
- Metric: 438 x 613 x 88mm
- Weight: 20.57kg (45.35 lbs)

Power Requirements
- AC Input Voltage: 100-240V
- Frequency: 50/60Hz
- AC Input Current Maximum: 8.3-3.4A
- DC Input Voltage: 40-60V
- DC Input Current Maximum: 20-13A
- Maximum Power Dissipation: 625W = 2131 BTU/hr

Environment Operating Conditions
- Temperature: 32°-104°F / 0°-40°C
- Altitude: 10,000 ft / 3048 m
- Humidity: 10%-90% (non-condensing)

Environment Non-Operating Conditions
- Temperature: -20°C to +70°C
- Humidity: Up to at least 95% (non-condensing)

Compliance
- Safety:
- Emission Compliance:
  - FCC Part 15, Subpart B, Class A
  - EN50024,EN55022A:1998, CISP 22 Class A
  - 1985, EN61000-3-2, EN61000-3-3;
  - Immunity:
    - EN55024: 1998
  - RoHS
  - NEBS Level-3