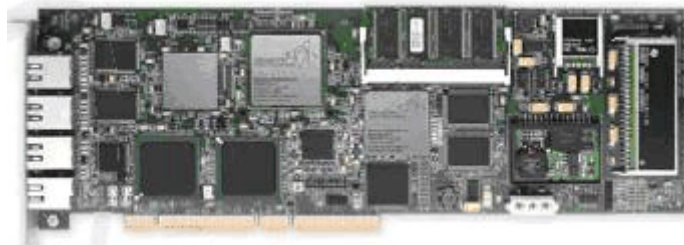


Flexcomm FIDS24PC1 System Product Brief

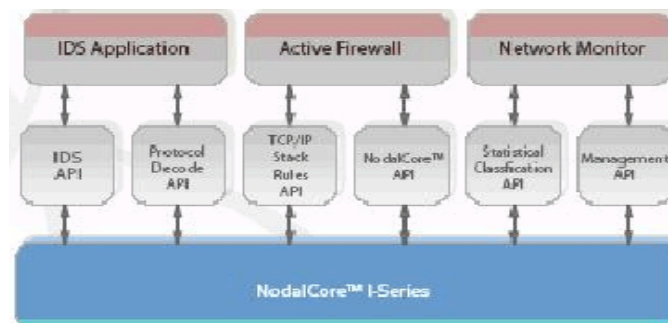


Product Overview

FIDS24PC1 combines the power and flexibility of the market leading Intel® Network Processor Unit with the groundbreaking Security Processing Unit to accelerate the bottleneck functions in Instruction Detection and Network Monitoring applications. The card is a PCI compliant add-in card consisting of Intel® IXP2400 NPU, NodalCore SPU, QDR SRAM, a DDR DRAM module, and SSRAM banks for signature database storage. The card is able to run stand-alone or plugged into a host system. Communication to the host system's provided via an extensive set of software APIs and utility programs.

It provides functions for packet defragmentation, stream reassembly and protocol decoding, signature matching and flow classification. This allows developers to rapidly deploy high performance NIDS solutions demanded by next generation network products. Rapid development through easy to use APIs allows turbo charged products to be brought to market quickly. Developers can configure this application out of the box to create high performance IDS/IPS product.

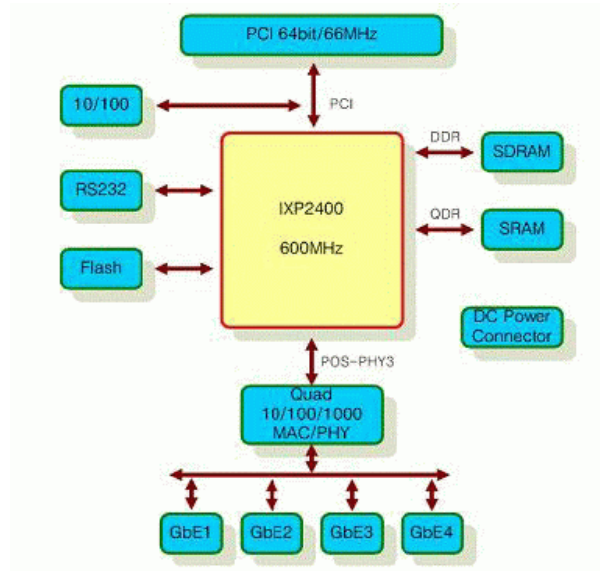
Architecture



Product

Highlights

- 8 Channels, 1Gbps processing throughput
- CorePAKT™ provides up to 90% cost savings for memory in a hardware accelerated system
- Real-time cryptographically authenticated signature database, application, firmware and hardware routine updates



Features

Feature	Description
Processor	Intel®IXP2400 Network Processor 600MHz
Memory	16MB Flash
	512MB DDRI-300 SDRAM (Up to 1GB)
	64Mbit QDR-800 SRAM (Up to 128Mbit)
Network	Four Gigabit Ethernet Ports
	One 10/100 Ethernet Port
Console	One RS232 Port
PCI Bus Standards	PCI-64/66 3.3V (PCI version 2.3) or PCI-X slot
Dimensions	312mm(L)x106mm(H) (Full Length PCI)
Power	Power Consumption<25Watts
	Power Input 3.3V
Firmware	On-board Boot Manager
OS Support	Montavista Professional Edition LSP3.0
Drivers	IXF1104 drivers, Network Drivers
Application	Flexcomm Example microcode
Regulatory Compliance	FCC Class B/CE/C-Tick/VCCI