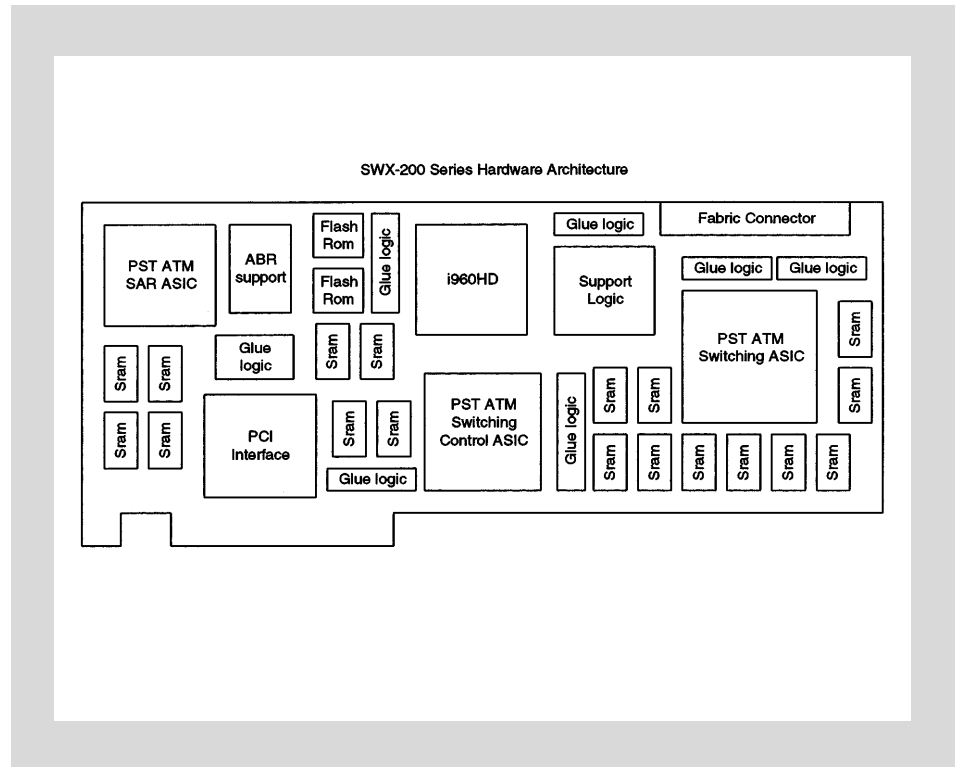


Packet Switch SWX-200 ATM SwitchBoards

- Power Requirements: +5V, 5A Max
- Network Connections: RJ-45 and Multimode Fiber Supported
- 32- and 64-Bit Bus Master, Full Size PCI Cards
- PCI V2.1 Compliant, Fully Configurable
- 2 Gbps ATM Switching Fabric
- Support For 1000 Connections (Path or Channel) Per Switchboard Element, Expandable
- Support For Up to 1000 Multipoint Connections, Per Switch, Expandable
- Standard Cell Buffers at 8k Cells Per Port, Expandable
- UNI 3.1 Signaling, Enhanced Throughput With Onboard Processors
- Onboard Processors Manage Connection Setup, Teardown and Processing of OAM Cells
- Support of the Entire VPI/VC1 Space
- Support For PVC and SVC Operation
- ATM QoS Classes For CBR, VBR, and ABR/UBR Operation
- Network Management Includes ILM1 and SNMP

Packet Switch Technologies' SWX-200 SwitchBoards are a new family of ATM switch components offering a quantum leap in port density and significant savings in per-port switch costs. The SWX200 is a scaleable platform offering OC-3 through OC-12 port speeds. The SWX-200 boards include a unique, fully integrated ATM adapter function. The SwitchBoard products are designed to enable OEM's to build their own cost effective, embedded ATM solutions. The SwitchBoard elements support ATM QoS capabilities and are therefore voice and data ready.

Each SWX-200 family card provides for (4) OC-3 (155 Mbit) or equivalent bandwidth ATM ports, and an embedded ATM adapter implemented on a single PCI form factor board. ATM switches based on



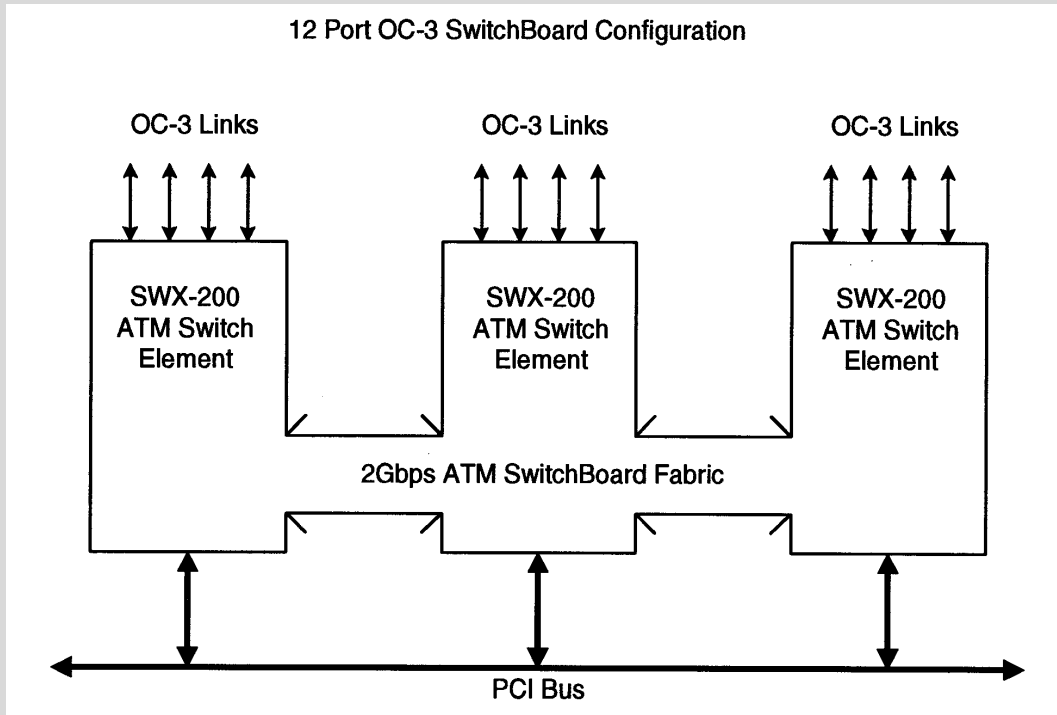
Packet Switch Technologys' SwitchBoard based products utilize a 2 Gbps non-blocking ATM switching fabric. This SwitchBoard architecture permits expansion up to (12) OC-3 ports. The SwitchBoards can be installed directly inside a PCI bus based host, creating a combined ATM switch and adapter element inside host. The SWX-200 family cards utilize an Intel i960® RISC processor combined with the 2 Gbps non-blocking switching fabric to provide wire speed switching capabilities out to all ATM ports.

The Packet Switch Technologies SWX-200 family products are ideally suited for systems with limited numbers of PCI slots and for high throughput File Servers processing multiple network tasks. The SWX-200 family PCI ATM architecture maximizes system throughput by providing an intelligent and efficient bus mastering DMA interface to the host system. Both 32-bit and 64-bit bus width implementations are available.

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Packet Switch
Technologies



PERFORMANCE

Complete ATM non blocking switching architecture using i960® RISC processor and 2 Gbps switching capacity. The 2 Gbs switching fabric traffic is isolated from the PCI bus.

PCI BUS FORM FACTOR

Bus mastering cards, 32/64-bit providing high speed links to Host CPU and system memory thus processing high bandwidth system requests.

MODULARITY

Basic SWX-200 cards provide four OC-3 ports switching capacity expandable to (12) OC-3 ports by adding additional OC-3 cards. Switch capabilities include OC-12 (622 Mbit) ports and 25 Mbit ports available on SWX-200 option cards.

SCALEABILITY

SWX-200 cards support the full VPI/VCI space, with 1000 connections per port on a path/channel basis. Port speeds range from 25 Mbit to 622 Mbit per ATM Forum specifications. SwitchBoard based systems can be flexibly configured using one, two or three PCI slots.

UPGRADEABILITY

A basic four port system can be seamlessly upgraded to 8 or 12 ports simply by adding additional SwitchBoards. Critical Network parameters and switch operating software is in local flash memory, further making system service upgrades easy.

ADVANCED FEATURES

Supports ATM PVC and SVC capabilities, permitting virtual LANs and extensive network capabilities supporting all of the ATM QoS capabilities.

SOFTWARE

Software support for Windows NT v3.51 for the Switch API and for adapter driver functionality. Switch management tools include support for ILMI and SNMP.