Model 9135

10/100 Base-TX/FX Two-port Switch

The Model 9135 Two-port EdgeAccess® Switch is a 100BASE-TX/FX compliant Fast Ethernet device that supports native 10Mbps and 100Mbps, Ethernet LAN Extension circuits. It is designed to provide a smooth transition from 10Mbps to 100Mbps through its hot-swappable copper and fiber optic interfaces.

The primary application of the 9135 Two-port Switch is as a demarcation device, terminating 10Mbps or 100Mbps fiber optic LAN Extension circuits at the customer premises with optional SNMP management and a choice of customer interfaces.

The 9135 can also be used in conjunction with the Canoga Perkins 8829 10Mbps or 9119 100Mbps standalone or rack-mounted media converters. This would satisfy almost any Ethernet or fast Ethernet application at distances of 100km or more.

As an intelligent edge device, the 9135 Two-port Switch supports SNMP network management applications such as OpenView™ and SunNet Manager™ as well as configurations, statistics, and alarms via a built-in web server. It also supports out-of-band management via individual terminal and modem serial ports.

FEATURES

- Two Hot-swappable, Field Upgradable, 10/100Mbps Fast Ethernet Switched Ports

- Wide Selection of Local, Campus, and Extended Distance 10Mbps and 100Mbps Optical Interfaces

- Support for 850nm Multimode, 1310nm Multimode and Single Mode, and 1550nm Single Mode Wavelengths

- Both Ports Support Half and Full-duplex Operation with Wire Speed Throughput

- Fixed or Auto-negotiable 10/100Mbps 100BASE-TX Interface

- Performs Wavelength, Speed and Media Conversions

- Hot-swappable, SNMP Manager Module with Built-in Web Server

- In-band Management Support Includes SNMP Agents, Telnet Remote Terminal, and TFTP File Transfers

- Out-of-band Management Support Includes VT100 Terminal and Serial IP (SLIP)

- Manager Module Provides Both EIA-232 DTE and EIA-232 DCE Serial Com Ports with DE-9 Connectors

- Dual Flash EEPROM for In-band TFTP Software Upgrades

CANOGA PERKINS

Fiber Optic Xtension Leader

EdgeAccess®

Model 9135

10/100 Base-TX/FX Two-port Switch

Specifications

- **INTERFACE MODULES**

  100BASE-TX

  Fixed 10/100Mbps, HDX, FDX and Auto-negotiation with UTP RJ-Type Copper Connector

  100BASE-FX 100Mbps

  1310nm MMF with ST and SC Connectors
  1310nm SMF with ST and SC Connectors
  1550nm SMF with ST and SC Connectors

  10BASE-FL 10Mbps

  850nm MMF with ST Connectors
  1310nm SMF with ST and FC/PC Connector
  1550nm SMF with ST and FC/PC Connectors

  10BASE-5 10Mbps

  AUI DTE (Standard) and DCE (Reverse)

- **PERFORMANCE**

  Forward Rate 148,800 Packets per Second (PPS)
  Store and Forward Operation

  Buffers 1 MB per Port
  Full Filtering of Illegal and Fragmented Packets

- **ALARM RELAY CONTACTS**

  Power Failure, Link Loss, Remote Fault, Normally Open or Normally Closed Operation

- **PHYSICAL**

  Dimensions 1.75"H x 17.25"W x 13.375"D
  (44 x 438 x 339mm)

  Rack Mounted EIA 19-inch and 23-inch Flush, Recessed and Mid-mount Options

  Weight Approximately 5 lbs (2.2Kg)

- **ENVIRONMENT**

  Temperature 0˚ to 50˚C

  Humidity Up to 90% (Noncondensing)

- **POWER**

  85VAC to 260 VAC, 50/60Hz, 45W Max.
  +36VDC to +72VDC, 45W Max.

- **OPTICAL CONNECTORS**

  SC and ST for 100Mbps Modules
  ST and FC/PC for 10Mbps Modules

- **METALLIC CONNECTOR**

  UTP 8-pin Modular RJ-Type 100 Ohm Connector
  AUI DCE 15-pin
  AUI DTE 15-pin

- **MANAGEMENT AND MAINTENANCE**

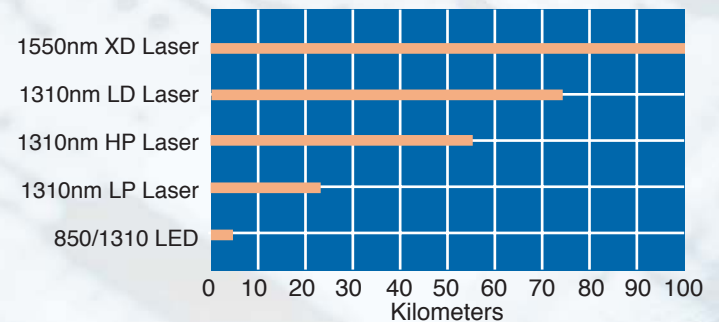 **SNMP Management Module Options**

  - Full Graphical SNMP Access with Netscape™ or Internet Explorer™ Web Browsers via Built-in Web Server or Standalone Application
  - In-band and Out-of-band SNMP Access and Telnet Support for Unix and PC-based NMS Applications
  - Serial IP (SLIP) and VT100 Terminal Support via Dual EIA-232 Ports
  - DCE Port with Male DE-9 Connector
  - DTE Port with Female DE-9 Connector

- **DIAGNOSTIC LEDS**

System	Port*	
POWER	RX	TX
MGR. MODULE	LNK	PAR
MGR. ACTIVITY	COL	100
FAULT	FDX	AUT
	LLF	RMTF

  * Port LEDs Depend on Module Type

- **DISTANCE GUIDE**

  1550nm XD Laser
  1310nm LD Laser
  1310nm HP Laser
  1310nm LP Laser
  850/1310 LED

  0 10 20 30 40 50 60 70 80 90 100
  Kilometers

  100BASE-FX
  (1310nm MMF LED)
  (1310nm SMF Laser) LP
  (1310nm SMF Laser) LD
  (1550nm SMF Laser) XD

  10BASE-FL
  (850nm MMF LED)
  (1310nm SMF Laser) HP
  (1310nm SMF Laser) LD
  (1550nm SMF Laser) XD

  LD = Long Distance **LP** = Low Power
  XD = Extended Distance **HP** = High Power
  NOTE: These are typical distances, which can be achieved depending on the quality of the fiber cable plant.

- **REGULATORY COMPLIANCE**

  ETL, ETLc (UL60950 CAN/CSA C22.2 No. 60950, EN/IEC 60950) IEC 60825-1
  FCC Part 15B/IC-003/VCCI Class A
  C-Tick (AS/NZS 3548),
  EN 55022 Class A
  EN 61000-3-2, EN61000-3-3
  EN 55024
  R&TTE Directive (EN 300 386)
  NEBS Level 3 Tested and Certified

MADE IN THE
USA
ISO 9001:2000 Registered

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