

Transform a single fiber LAN connection into an intelligent, four-port, in-the-wall Fast Ethernet switch

OVERVIEW

The 3Com® IntelliJack® Switch NJ240FX quickly converts a single, two-fiber multimode LAN wall outlet into four 10/100 Mbps switched ports, significantly lowering installation costs and minimizing business disruption. The IntelliJack Switch NJ240FX features a unique, in-the-wall design that provides all the capabilities of a fully managed, enterprise-class switch—including traffic prioritization for converged applications, virtual LANs (VLANs) and MAC address filtering.

The Switch NJ240FX can be managed centrally by industry-standard platforms such as 3Com Network Supervisor. The switch comes with its own internal power supply and can forward 8 watts of power to a downstream Power over Ethernet (PoE) device. A pass-through connector provides an additional, physically separate voice or data connection.

KEY BENEFITS

LAN CONNECTIONS VIRTUALLY ANYWHERE

This intelligent, in-the-wall “network jack” delivers simple, economical connectivity to users in virtually any networked environment. The IntelliJack switch can be used to quickly accommodate new users and to inexpensively upgrade older buildings that do not have enough LAN ports or fiber connections. The switch is also useful in environments that have a fiber infrastructure that must be integrated with PCs equipped with copper Ethernet ports.

INNOVATIVE IN-THE-WALL INSTALLATION

The compact, wall-mounted unit reduces workspace clutter and protects connections from tampering, damage and theft. The switch mounts without disturbing walls, making it particularly well suited for older buildings and facilities where installing new wiring is difficult. Unlike conventional switches, it takes up no desk or wiring closet space.

ENTERPRISE-LEVEL SECURE CONVERGED NETWORKING

The IntelliJack Switch NJ240FX lets enterprises leverage the performance and security advantages of their fiber networks. ToS/DiffServ and multi-cast routing control improve application performance. IEEE 802.1p and IP v6 traffic prioritization and VLANs optimize latency-sensitive voice and video streams. IEEE 802.1X login helps ensure network security.



KEY BENEFITS (CONTINUED)

FULL COMPLEMENT OF MANAGEMENT CAPABILITIES

The enterprise-ready IntelliJack Switch NJ240FX comes bundled with software utilities that help streamline administration tasks. The switch can be discovered and controlled by most SNMP-compliant management platforms, including 3Com Network Supervisor and HP OpenView. 3Com Local Configuration Manager eases installation and configures the switch to support central management, while Central Configuration Manager provides remote monitoring for single switches or groups of switches. In addition, a location-mapping feature aids troubleshooting and IT asset inventories.

POWER SUPPLY WITH POWER FORWARDING

The switch comes with an internal 100–240 volt AC power supply. For greater flexibility, 8 watts of IEEE 802.3af Power over Ethernet can be forwarded from port #1 to a downstream device such as a telephone.

SEAMLESS INFRASTRUCTURE INTEGRATION

The IntelliJack Switch NJ240FX fully complies with Ethernet, Fast Ethernet, Voice over IP (VoIP), PoE and relevant building and telecommunications wiring specifications.

SPECIFICATIONS

PORTS

Four 10/100BASE-TX ports, RJ-45 connectors
One multi-mode 100BASE-FX (LC, SC or ST connector available)
One RJ-45 pass-through

Multimode Fiber

850 nm wavelength:
50/125 μm cable, 500 MHz•km bandwidth, 3.5 dB/km attenuation
62.5/125 μm cable, 200 MHz•km bandwidth, 3.5 dB/km attenuation

1300 nm wavelength:

50/125 μm cable, 500 MHz•km bandwidth, 1.5 dB/km attenuation
62.5/125 μm cable, 500 MHz•km bandwidth, 1.0 dB/km attenuation

SECURITY

Network login with IEEE 802.1X user authentication
MAC address filtering and port-based rate limiting

POWER OVER ETHERNET (POE)

IEEE 802.3af PoE forwarding through port #1 of device

MANAGEMENT

IEEE 802.1Q VLANs, IEEE 802.1p QoS, DHCP; port-level control; location mapping
Compatible with SNMP v1, SNMP v3 and most SNMP-compliant management platforms
Supplied with 3Com Central Configuration Manager and 3Com Local Configuration Manager

DIMENSIONS

Height: 11.6 cm (4.57 in)
Width: 7.2 cm (2.83 in)
Depth: 4.6 cm (1.81 in)

POWER SUPPLY

100–240 VAC, 50–60 Hz (integral)

LED INDICATORS

Unit power, link activity/status of ports, power forwarding

ENVIRONMENTAL REQUIREMENTS

Operating temperature: 0° to 35°C (32° to 95°F)
Storage temperature: -30° to 90°C (-22° to 194°F)
Humidity (operating and storage): 10% to 90% non-condensing

IEEE STANDARDS SUPPORTED

IEEE 802.1p (CoS)
IEEE 802.1Q (VLANs)
IEEE 802.1X (Security)
IEEE 802.3af (Power over Ethernet)
IEEE 802.3i (10BASE-T)
IEEE 802.3u (Fast Ethernet)

CERTIFICATIONS

Emissions and Safety:

VCCI Class A
FCC Part 15 Class A
ICES-003 Class A
CSA, C-Tick, NOM

Building:

NEMA-WD6, ANSI/TIA/EIA-568 and -569

PACKAGE CONTENTS

One switch with mounting screws, cable housing tray, wall-mount plate, power cord, quick start guide, user guide; CD-ROM with management utilities

WARRANTY

One-year Limited Hardware Warranty. Limited Software Warranty for ninety (90) days. See www.3com.com/warranty for details.

ORDERING INFORMATION

PRODUCT DESCRIPTION

3Com IntelliJack Switch NJ240FX with LC Connector
3Com IntelliJack Switch NJ240FX with SC Connector
3Com IntelliJack Switch NJ240FX with ST Connector

3COM SKU

3CRNJ240FXLCTAA-75
3CRNJ240FXSCTAA-75
3CRNJ240FXSTAA-75

Visit www.3com.com for more information about 3Com secure converged network solutions.

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064
3Com is publicly traded on NASDAQ under the symbol COMS.

Copyright © 2006 3Com Corporation. All rights reserved. 3Com, the 3Com logo, and IntelliJack are registered trademark of 3Com Corporation or one of its subsidiaries. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.

400903-002 04/06

