

3Com® Baseline Switch 2226-PWR Plus

DATA SHEET



- Cost-optimized “smart” Power over Ethernet (PoE) switch
- 24 10/100 ports with 2 dual-purpose Gigabit ports
- Web-based configuration for ease-of-use in set up and installation
- Wire-speed, non-blocking performance in a 1-RU form factor

Key Benefits

Overview

The “smart” 3Com® Baseline Switch 2226-PWR Plus is the latest member in the family of premium value Baseline Plus switches that deliver enterprise-class solutions, customized and priced for small and mid-sized organizations. With full IEEE 802.3af-compliant Power over Ethernet (PoE) support on all ports, customers can power 3Com NBX® or other IEEE-compliant IP phones, wireless LAN access points, and Network Jack products directly from the switch. This convenience lowers the total cost of ownership since there is no need to run additional wiring to power these devices.

The 3Com Baseline Switch 2226-PWR Plus provides twenty-four 10/100 ports and two dual-purpose Gigabit ports to connect to high-performance computers, high-demand servers, or core network backbones, either using the built-in copper Gigabit uplink ports or the SFP-based slots for Gigabit fiber connections. With a low entry cost, the 3Com Baseline Switch 2226-PWR Plus offers advanced administration through a user-friendly browser interface so that even network novices can easily configure and administer the network. Extensive QoS and VLAN support allows greater scalability and support for business-critical applications such as customer relation management (CRM), supply chain management (SCM), video conferencing, and Voice over IP (VoIP). Ports can be trunked, or aggregated, to create an ultra-high bandwidth pipe to the network core.

Ethernet Switching

The 3Com Baseline Switch 2226-PWR Plus is a non-blocking Layer 2 switch—all ports switch at wire speed—which helps to eliminate network traffic bottlenecks. Once more, Link aggregation via IEEE802.3ad allows administrators to group any number of copper or fiber ports together to form an ultra-high bandwidth pipe that greatly expands bandwidth capacity to the network backbone. The switch also supports Port, MAC address, and 802.1p QoS traffic prioritization, and VLANs, which segment the network by grouping users based on data or traffic exchange requirements. These switching features ensure optimal use of available bandwidth as traffic flow is directed according to the needs of the business.

Convergence

The 3Com Baseline Switch 2226-PWR Plus supports Power over Ethernet (IEEE 802.3af) on all 10/100 ports and provides up to 15.4W of power per port over the normally unused pairs in Category 5 Ethernet cable. This makes an extremely cost-effective solution when deploying VoIP phones, remote security IP cameras, and wireless access points.

Intuitive web browser-based user interface

The 3Com Baseline Switch 2226-PWR Plus provides an easy-to-use web-based interface that allows even novice users to quickly and confidently configure the switch during initial setup or normal operation. The web interface makes it easy to manage PoE power distribution, configure individual port speeds and duplex configuration, VLANs, Link aggregation, and traffic prioritization, as well as keep an eye on network traffic and statistics. These capabilities make the switch an exceptional value.

Enterprise-class quality and reliability without complexity

The 3Com Baseline Switch 2226-PWR Plus is operational straight out of the box; as long as basic settings are acceptable, there is no need to configure the switch. For networks that

require more control, the user-friendly web-based interface provides easy-to-use tools to design your network for optimal use. All 3Com networking products go through vigorous testing to ensure top reliability. A proven reputation for quality is backed by an industry-leading support package with a Limited Lifetime Hardware Warranty and Worldwide Next Business Day Advance Hardware Replacement.

Service

3Com products are backed by 3Com Global Services and authorized partners with demonstrated expertise in network assessment, implementation, and maintenance. Ask about which 3Com Network Health Check, installation services, and maintenance service packages are available in your area.

FEATURES	BENEFITS
Outstanding value	Take advantage of flexible, configurable and powerful switching that costs not much more than an unmanaged switch.
Flexible Gigabit uplinks	Choose to daisychain multiple units together via the built-in copper Gigabit uplink ports or connect to a network backbone via SFP-based fiber modules.
Browser-based user interface for switch configuration and administration	Extremely easy-to-use user interface allows even the most novice users to configure the switch during initial setup or normal operation.
Automatic NBX traffic prioritization	Switch will automatically detect and prioritize NBX traffic, making voice prioritization transparent to the user.
VLANs	Segment the network by grouping users based on their data or traffic exchange requirements. This ensures optimal use of available bandwidth as traffic flow is directed according to the needs of the business. The switch supports up to 64 VLANs.
Link aggregation (trunking)	Group together any number of copper or fiber ports to form an ultra-high bandwidth pipe connecting the switch to a network backbone and prevent any traffic bottlenecks. The switch supports up to four trunks and up to eight ports per trunk.
Extensive traffic prioritization	Traffic prioritization flexibility makes this switch suitable for many small and mid-sized business applications and environments with different bandwidth needs or restrictions.
Traffic monitoring (port mirroring)	Administrators can examine suspect data streams received on any port by mirroring the data stream to a monitoring port.
Power configuration	Flexible configuration options available per switch and per port. Power can be enabled or disabled per unit and per port. Per-port power can also be limited, giving users a lot flexibility in the converged network.

Features

	Description
PERFORMANCE	
Switching Capacity	8.8Gbps
Forwarding Rate	6.6Mpps
Forwarding Method	Store and Forward
LAYER 2 SWITCHING	
MAC Addresses	4,000 MAC addresses
VLAN	64 VLAN's (IEEE802.1Q)
Link Aggregation	Manual as per IEEE802.3ad
Auto Negotiation	Auto-negotiation and Automatic MDI/MDIX on all ports
Traffic Control	IEEE802.3x full-duplex flow control
CONVERGENCE	
Priority Queuing	Two hardware queues per port Weighted round-robin queuing
QoS	Automatic 3Com NBX Traffic Prioritization Traffic prioritization can also be based on: <ul style="list-style-type: none"> • User-specified MAC address • IEEE 802.1p field • User selected port
MANAGEMENT	
Device Management	*Web-based configuration for: <ul style="list-style-type: none"> • Port, speed, duplex configuration • VLANs • Link Aggregation • QoS Type • Traffic Monitoring
Power over Ethernet (PoE) Management	System Power on/off Port power on/off Power overload shutdown Power level limit per port

* Available January 2005

Specifications

LED Indicators

Module active, Power, Network traffic/Duplex mode, Link status/Speed

Power Requirements

Power Inlet: IEC 320

AC line Frequency: 50/60 Hz

Operating Input Voltage: 100-240 VAC

Current Rating: 3 Amp (maximum)

Maximum Power Consumption: 196W

Maximum Power Dissipation: 668.95 BTU/hr

PoE Maximum Output/per port: 15.4 watts

Physical Specifications

Dimensions

Height: 4.36 cm (1.7 in)

Width: 44 cm (17.3 in)

Depth: 17.3 cm (6.8 in)

Weight: 1.96 kg (4.32 lb)

Environmental Specifications

Operating Temperature: 0° to 45°C (32° to 113°F)

Operating Humidity: 10 to 95% (non-condensing)

Standard: EN 60068 (IEC 68)

Regulatory/Agency Approvals

Safety: UL 1950, EN 60950, CSA 22.2 #950 IEC 60950

Emissions: EN 55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, AS/NZS 3548 Class A, CNS 13438 Class A

Environmental: EN 60068 (IEC 68)

Immunity: EN 55024

Standards Conformance

ISO 8802-3

IEEE 802.3af (Power over Ethernet)

IEEE 802.3 (Ethernet)

IEEE 802.3u (Fast Ethernet)

IEEE 802.1d (Bridging)

IEEE 802.1Q (VLANs)

IEEE 802.3ab (Gigabit Ethernet)

IEEE 802.1p (Traffic Prioritization)

Package Contents

One power cord

One switch unit

Four self-adhesive, rubber pads

One rack-mount kit

One user guide

One installation CD

Warranty flyer

Hardware Warranty

Limited Lifetime Hardware Warranty. For more information, refer to www.3com.com.

Service

Americas: http://www.3com.com/products/en_US/global_services/

International: <http://emea.3com.com/globalservices>

Ordering Information

PRODUCT DESCRIPTION	3COM SKU
3Com® Baseline Switch 2226-PWR Plus	3C16490
Product Options	
Small Form Pluggable (SPF)	
3Com® 1000BASE-SX SFP Transceiver	3CSFP91
3Com® 1000BASE-LX SFP Transceiver	3CSFP92



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