3Com® Baseline Switch 2824-SFP Plus and Baseline Switch 2816-SFP Plus

DATA SHEET

Key Benefits

- Cost-optimized "smart" Layer 2 10/100/1000 switch for desktop and workgroup aggregation

- Web-based browser interface for easy set up, installation, and configuration

- Wirespeed, non-blocking performance to help eliminate traffic bottlenecks

- Advanced switching features for network control and flexibility of operation

- An enterprise-class switch for small-to-medium businesses

Overview

The 3Com® Baseline Switch 2824-SFP Plus and 2816-SFP Plus are two "smart", cost-effective, Layer 2 10/100 and 10/100/1000 Ethernet switches. The revolutionary switches provide a user-friendly web browser for switch configuration and administration. With a low entry cost, the switches offer advanced features such as 802.3ad link aggregation, 802.1p class of service (CoS) traffic prioritization, and VLANs for greater scaleability and support for business-critical applications—such as customer relation management (CRM), supply chain management (SCM), video conferencing, and Voice over IP (VoIP).

Smart Browser-Based User Interface

The easy-to-use web-based interface allows even novice users to quickly and confidently configure the switch during initial setup or normal operation. In addition, the web interface features individual port-traffic monitoring (port mirroring) and unique, quick-glance switch status monitoring. A new cable diagnostic tool lets users troubleshoot basic connectivity cabling problems via the web management interface further simplifying network installation.

Wirespeed Switching

Both switches come with non-blocking performance—all ports perform at wire speed which helps to eliminate network traffic bottlenecks. Link aggregation 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 802.1p for traffic prioritization and priority queuing, 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.

Enterprise-Class Quality and Reliability Without Complexity

These Baseline switches are 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 a network for optimal use. All 3Com networking products go through vigorous testing to ensure optimum reliability. And a proven reputation for quality is backed by an industry-leading support package with a Limited Lifetime Warranty and Advance Hardware Replacement service. For more detail, visit **www.3com.com/warranty**.

Product Data

	10/100/1000 Autosensing Ports	SFP Ports	Switching Capacity	VLANs	Link Aggregation	802.1p Prioritization (Max queues per port)	Auto MDI/MDIX	Non-blocking Performance	Limited Lifetime and Hardware Replacement
3Com Baseline Switch 2816-SFP Plus	16	4	32 Gbps	64	Up to 4 trunks, up to 8 ports per trunk	4	All ports	3	Yes
3Com Baseline Switch 2824-SFP Plus	24	4	48 Gbps	64	Up to 4 trunks, up to 8 ports per trunk	4	All ports	3	Yes

Specifications

Technical Specifications

Switching Capacity:
2816-SFP - 32 Gbps, 2824-SFP - 48 Gbps
Forwarding Rate:
2816-SFP - 23.7 Mpps, 2824-SFP - 35.5 Mpps
MAC Address Capacity: 8,000
VLAN Capacity: 64

LED Indicators

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

At-a-Glance Traffic Monitoring

Ports: active, enabled, disabled

Modules: present, active

Unit fans: OK, failed

Power Requirements

Power Inlet: IEC 320
AC line Frequency: 50/60 Hz
Operating Input Voltage: 100-240 VAC
Current Rating: 1 Amp (maximum)
Maximum Power Consumption: 60W
Maximum Power Dissipation: 184.3 BTU/hr

Physical Specifications

Dimensions
Height: 4.36 cm (1.7 in)

Width: 44 cm (17.3 in)

Depth: 17.3 cm (6.8 in)

Weight: 2816-SFP - 1.83 Kg (4.03 lb), 2824-SFP - 1.89 Kg (4.17 lb)

Environmental Specifications

Operating Temperature: 0 - 40 Deg C (32 - 104 Deg 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 802.3 (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

Warranty

Limited Lifetime

Other Service Benefits: Advance hardware replacement with same day shipment for North America and Western Europe; next day shipment elsewhere (calls must be received by published cut-off times); 90 days of telephone technical support; limited software updates.

For more detail, visit **www.3com.com/warranty.**

Register products at **http://eSupport.3com.com/.**

Ordering Information

PRODUCT DESCRIPTION	3COM SKU
3Com® Baseline Switch 2816-SFP Plus	3C16485A
3Com® Baseline Switch 2824-SFP Plus	3C16487
Options	
3Com® 1000BASE-SX SFP Transceiver	3CSFP91
3Com® 1000BASE-LX SFP Transceiver	3CSFP92

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