

Enterprise-class, wirespeed, Layer 2 10/100/1000 desktop switching for small and medium business. Ideal for desktop and workgroup aggregation with advanced features for network control and flexibility.

## OVERVIEW

The 3Com® Baseline Switch SFP Plus Family available in 16, 24 and 48 port models are a range of “Smart”, cost-effective, Layer 2 10/100 and 10/100/1000 Ethernet switches. These revolutionary switches provide a user-friendly web browser for switch configuration and administration. With a low entry cost, they offer advanced features such as 802.3ad link aggregation, 802.1p class of service (CoS) traffic prioritization, and VLANs for greater scalability and support for business-critical applications—such as customer relation management (CRM), supply chain management (SCM) and video.

## KEY BENEFITS

### 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 wirespeed 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. These switches go through vigorous testing to ensure optimum reliability, and come with an industry leading Limited Lifetime Warranty and include Advance Hardware Replacement.



## PRODUCT FEATURES

3Com Description	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	Yes	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	Yes	Yes
3Com Baseline Switch 2848-SFP Plus	48	4	96Gbps	64	Up to 6 trunks, 8 ports	4	All ports	Yes	Yes

## SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

**Switching Capacity:**  
2816-SFP: 32 Gbps  
2824-SFP: 48 Gbps  
2848-SFP: 96 Gbps

**Forwarding Rate:**  
2816-SFP: 23.7 Mpps  
2824-SFP: 35.5 Mpps  
2848-SFP: 71.42 Mpps

**MAC Address Capacity:**  
2816-SFP, 2824-SFP - 8000 and  
2848-SFP - 8192

**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: 2816-SFP and  
2824-SFP - 17.3 cm (6.8 in),  
2848-SFP - 23.8 cm (9.4 in)  
Weight: 2816-SFP - 1.83 kg (4.03 lb),  
2824-SFP - 1.89 kg (4.17 lb) and  
2848-SFP - 2.54 kg (5.6 lb)  
(with box and accessory, but without power lead)

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:  
0 - 40° C (32 - 104° 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

Power cord; switch unit; 4 self-adhesive, rubber pads; rack-mount kit; one user guide; one installation CD; warranty flyer

### WARRANTY

Limited Lifetime Next Business Day Advanced Hardware Replacement plus 90 days of telephone technical support and software updates. For further details, visit [www.3com.com/warranty](http://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
3Com® Baseline Switch 2848-SFP Plus	3C16486
<b>Options</b>	
3Com® 1000BASE-SX SFP Transceiver	3CSFP91
3Com® 1000BASE-LX SFP Transceiver	3CSFP92
<b>Services</b>	
Express 24x7xNBD [24x7 phone support; next business day hardware replacement]	3CS-EXP7N-04

Visit [www.3com.com](http://www.3com.com) for more information about 3Com secure converged network solutions.

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