

## 3Com® Baseline Switch 2816-SFP Plus

### DATA SHEET



- Cost-optimized "smart" Layer 2 10/100/1000 switch for desktop and workgroup aggregation
- Web-based configuration for ease-of-use in set up and installation
- Wirespeed, non-blocking performance in a 1-RU form factor
- Advanced, standards-based switching features
- An enterprise-class switch for small-to-medium businesses

### Key Benefits

#### Overview

The 3Com Baseline Switch 2816-SFP Plus is the first in a new family of "smart", cost-effective, Layer 2 10/100 and 10/100/1000 Ethernet switches. The revolutionary switch provides a user-friendly web browser for switch configuration and administration. With a low entry cost, the switch offers 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), video conferencing, and Voice over IP (VoIP).

#### Smart browser-based user interface

The 3Com Baseline Switch 2816-SFP 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. In addition, the web interface features individual port traffic monitoring (port mirroring) and unique, quick-glance switch status monitoring. These capabilities make the switch an exceptional value.

#### Ethernet Switching

The 3Com® Baseline Switch 2816-SFP 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 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

The 3Com Baseline Switch 2816-SFP 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 Replacement Warranty. See [www.3com.com/warranty](http://www.3com.com/warranty) for more detail.

PRODUCT	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 Hardware Replacement
3Com Baseline Switch 2816-SFP Plus	16	4	32 Gbps	256	Up to 4 trunks, up to 8 ports per trunk	4	All ports	✓	✓

## Specifications

### Technical Specifications

Switching Bandwidth: 32 Gbps  
 Forwarding Bandwidth: 23.7 Mbps  
 MAC Address Capacity: 8,000  
 VLAN Capacity: 256  
 Buffer Memory: 1 Mbyte

### 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: 47/63 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 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 802.3 (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 Hardware Replacement  
 Other Service Benefits: Advance hardware replacement with same day shipment for North America and Western Europe. Next day shipment for rest of world. Calls must be received by published cut-off times. 90 days of telephone technical support. Limited software updates.  
 See [www.3com.com/warranty](http://www.3com.com/warranty) for more detail.  
 Register products at <http://eSupport.3com.com/>

## Ordering Information

PRODUCT DESCRIPTION	3COM SKU
3Com® Baseline Switch 2816-SFP Plus	3C16485
<b>Options</b>	
3Com® 1000BASE-SX SFP Transceiver	3CSFP91
3Com® 1000BASE-LX SFP Transceiver	3CSFP92



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