

# 3COM BASELINE SWITCH 2816 AND BASELINE SWITCH 2824

Enterprise-class, Layer 2 10/100/1000 switch for small and medium businesses.

## OVERVIEW

The 3Com® Baseline Switch 2816 and Baseline Switch 2824 are versatile, easy-to-use switches, ideal for users who want the high-speed performance of 10/100/1000 switching but do not need sophisticated management functions. These switches are shipped ready for use with no configuration necessary. Through incorporating the latest in Green technology, these 3Com Baseline Switches saves more than 20% of the power consumed by the previous technology.

## KEY BENEFITS

### GREEN TECHNOLOGY

When no connection exists or a short network cable is used, power consumption will be reduced automatically to save energy. These Baseline Switches also have no fans; power consumption is further reduced, and their quiet operation is ideal for office environments.

### RACK-MOUNTED OR FREE-STANDING CONFIGURATION

To accommodate multiple small-business configurations, the switches are designed to operate either as a free-standing or rack-mounted switch (mounting kit included). The standard 19-inch, one rack-unit-high (1 RU) enclosure optimizes the use of valuable office space.



from top: 3Com Baseline Switch 2824, Baseline Switch 2816

## WIRESPEED SWITCHING

These switches have non-blocking performance—all ports perform at wirespeed which helps to eliminate network traffic bottlenecks. The Switch also supports 802.1p for traffic prioritization and priority queuing, which means all packets that are received are examined to see if they have been priority encoded. When a packet is received, the Switch will read the priority level and determine the appropriate channel to forward the packet based on the priority level. This feature can be useful, for example, during excessive loads when delay sensitive traffic like voice or video of traffic may require priority over another.

## ENTERPRISE-CLASS QUALITY AND RELIABILITY WITHOUT COMPLEXITY

These Baseline Switches are operational straight out-of-the-box; no configuration is necessary. These switches have a Three Year Limited Hardware Warranty. Advanced Hardware Replacement, with Next Business Day shipment in most regions, is also provided.



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## SPECIFICATIONS

All information in this section is relevant to both the 3Com Baseline Switch 2816 and Baseline Switch 2824, unless otherwise stated.

### CONNECTORS

#### Switch 2816

16 auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto MDI/MDIX

#### Switch 2824

24 auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto MDI/MDIX

### PERFORMANCE

#### Switch 2816

32 Gbps switching capacity, max.

23.8 Mpps forwarding rate, max.

#### Switch 2824

48 Gbps switching capacity, max.

35.7 Mpps forwarding rate, max.

#### All models

Wirespeed performance across all ports

Store-and-forward switching

### DIMENSIONS

Height: 4.4 cm (1.7 in or 1 RU)

Width: 44.0 cm (17.3 in)

Depth: 17.3 cm (6.8 in)

Weight:

Switch 2816: <1.65 kg (3.6 lb)

Switch 2824: <1.75 kg (3.9 lb)

### LAYER 2 SWITCHING

8,192 MAC addresses in address table

Traffic Prioritization

Auto-negotiation of port speed and duplex

IEEE 802.3x full-duplex flow control

### CONVERGENCE

4 hardware queues per port

Weighted Round Robin (WRR) queuing per port

IEEE 802.1p Class of Service on egress

### LED INDICATORS

Link speed & activity, power

### POWER SUPPLY

Input voltage: 100-240 VAC, 50/60 Hz

Current rating: 1A, max.

Power consumption:

Switch 2816: 15W, max.

Switch 2824: 20W, max.

Power dissipation: 72 BTU/hr, max.

Power inlet: IEC 320

### WARRANTY AND OTHER SERVICES

Three Year Limited Hardware Warranty including power supply

Advance Hardware Replacement with Next Business Day shipment in most regions

90 days of telephone technical support

Refer to [www.3com.com/warranty](http://www.3com.com/warranty) for details

### ENVIRONMENTAL REQUIREMENTS

Operating temperature: 0° to 40°C

(32° to 104°F)

Operating humidity: 10% to 90%

(non-condensing)

Standard: EN 60068 (IEC 68)

### REGULATORY AND AGENCY APPROVALS

Safety: UL 60950-1, IEC60950-1, CSA

C22.2 No.60950-1, EN 60950-1, GB 4943

EMC Emissions: EN 55022 Class A,

FCC Part 15 Subpart B Class A, ICES-003 Class A,

VCCI Class A, AS/NZS CISPR 22 Class A, GB 9254 Class A

Immunity: EN 55024

### IEEE STANDARDS SUPPORTED

IEEE 802.1p Priority Tags

IEEE 802.3 Ethernet

IEEE 802.3ab Gigabit Ethernet

IEEE 802.3u Fast Ethernet

IEEE 802.3x Flow Control

ISO 8802-3

### PACKAGE CONTENTS

Power cord; switch unit

4 self-adhesive rubber pads

Rack-mount kit

User guide

Warranty flyer

## ORDERING INFORMATION

### PRODUCT DESCRIPTION

### 3COM SKU

|                           |           |
|---------------------------|-----------|
| 3Com Baseline Switch 2816 | 3CBLUG16A |
| 3Com Baseline Switch 2824 | 3CBLUG24A |

*Not all products available in all countries.*

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