3Com® Baseline Switches

DATA SHEET

Enterprise-class, Layer 2 unmanaged switches for small and medium businesses

OVERVIEW

3Com® Baseline switches provide cost-effective Layer 2 10/100 and 10/100/1000 Ethernet switching for LANs that don't need management capabilities. Simple to install and economical to own, they feature wirespeed performance on fixed-configuration, rack-mountable platforms.

KEY BENEFITS

WIDE-RANGING UNMANAGED FAMILY

Small to mid-sized businesses looking for a switched LAN with or without high-speed uplinks, or a low cost, high-performance Gigabit network, will find an affordable solution with the family of 3Com Baseline switches, designed for plug-and-play network operation.

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HIGH-PERFORMANCE 10/100/1000 AND 10/100 SWITCHING

For top performance, the 3Com Baseline Switch 2816 and 2824 deliver wirespeed Gigabit throughput and a switching capacity of up to 48 Gbps to handle the most bandwidth-hungry applications.

The Baseline Switch 2016 and 2024 are ideal for businesses with legacy Ethernet desktops that want to start a network. Fast Ethernet (100 Mbps) support easily handles higher speed desktop and office server connections.

ENVIRONMENTALLY-FRIENDLY PERFORMANCE

As part of our GreenConnect initiative, the Baseline Switch 2816 and 2824 feature an idle "power-down" mode and other optimized circuitry which further helps deliver minimum power consumption.

These Baseline switches have no fans; power consumption is reduced, and their quiet operation is ideal for office environments.

PLUG-AND-PLAY UNMANAGED OPERATION

3Com Baseline switches operate straight out of the box, with no configuration required. Auto MDI/MDIX ports identify and adapt to the Ethernet cable type, eliminating the most common cabling errors and simplifying installation. Autosensing ports detect and adjust to the speed of the connected device to optimize network performance.

RACK-MOUNTED OR FREE-STANDING CONFIGURATION

Small-business configurations can vary, so the switches are designed to operate as a free-standing or rack-mounted switch with included mounting kit. The standard 19-inch, one rack-unit-high (1 RU) enclosure optimizes valuable office space.

THREE-YEAR HARDWARE WARRANTY

3Com gives a Three-Year Limited Hardware Warranty on the Baseline Switch Family. Advance Hardware Replacement, with Next Business Day shipment in most regions, is also provided.



3Com Baseline Switch Family, from left, top: Baseline Switch 2016, Switch 2024; from right, top: Baseline Switch 2126-G, Switch 2816, Switch 2824

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SPECIFICATIONS

All information in this section is relevant to all members of the 3Com Baseline Switch family, unless otherwise stated.

CONNECTORS

Switch 2016
16 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto MDI/MDIX

Switch 2024
24 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto MDI/MDIX

Switch 2126-G
24 auto-negotiating 10BASE-T/100BASE-TX and 2 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto MDI/MDIX

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

MEDIA INTERFACES

10/100/BASE-TX RJ-45 or 10/100/1000BASE-T RJ-45, depending on model

PERFORMANCE

Wirespeed performance across all ports

Store-and-forward switching

LAYER 2 SWITCHING

MAC addresses:

- Switch 2016, 2024 and 2126G– 4K
- Switch 2816 and 2824– 8K

Auto-negotiation of port speed and duplex

IEEE 802.3x full-duplex flow control

CONVERGENCE

(Switch 2816 and 2824 only)

4 hardware queues per port

IEEE 802.1p Class of Service/Quality of Service (CoS/QoS) on egress

LED INDICATORS

Link status/speed, duplex status, power

POWER SUPPLY

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

Current rating: 1A, max.

Power inlet: IEC 320

Power consumption, max:

- Switch 2016– 10W
- Switch 2024– 16W
- Switch 2126-G– 13 W
- Switch 2816– 15W
- Switch 2824– 21W

Power dissipation, max:

- Switch 2016– 34 BTU/hr
- Switch 2024– 55 BTU/hr
- Switch 2126-G– 43 BTU/hr
- Switch 2816– 50 BTU/hr
- Switch 2824– 72 BTU/hr

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 2016– 1.5 kg (3.1 lb)
- Switch 2024 and 2126-G– 1.6 kg (3.6 lb)
- Switch 2816– 1.9 kg (4.1 lb)
- Switch 2824– 2.0 kg (4.3 lb)

ENVIRONMENTAL REQUIREMENTS

Operating temperature: 0° to 40°C (32° to 104°F)

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

Standard: EN 60068 (IEC 68)

REGULATORY AND AGENCY APPROVALS

Safety

UL 60950-1

CSA 22.2 60950

EN 60950

IEC 60950

Emissions

EN 55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A

Environmental: EN 60068 (IEC 68)

Immunity: EN 55024

IEEE STANDARDS SUPPORTED

IEEE 802.1d MAC Bridges

IEEE 802.1p Priority Tags (Switch 2816 and 2824 only)

IEEE 802.3 Ethernet

IEEE 802.3ab Gigabit Ethernet (Switch 2126-G, 2816 and 2824 only)

IEEE 802.3u Fast Ethernet

IEEE 802.3x Flow Control

IEEE 802.3z Gigabit Ethernet (Switch 2126-G, 2816 and 2824 only)

ISO 8802-3

PACKAGE CONTENTS

Switch unit, power cord, 4 self-adhesive rubber pads, rack-mount kit, user guide, warranty flyer

WARRANTY AND OTHER SERVICES

Three Year Limited Hardware Warranty

Limited Software Warranty for 90 days

Advance Hardware Replacement with Next Business Day shipment in most regions

90 days of telephone technical support

Refer to **www.3com.com/warranty** for details.

ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
3Com Baseline Switch 2016	3C16470B
3Com Baseline Switch 2024	3C16471B
3Com Baseline Switch 2126-G	3C16472
3Com Baseline Switch 2816	3CBLUG16
3Com Baseline Switch 2824	3CBLUG24

Visit www.3com.com for more information about 3Com secure converged network solutions.

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