



## DATA SHEET

# 3Com® Baseline Switches and Hubs

## Key Benefits

These products form the building blocks to create many different Ethernet LAN configurations to suit various applications

### Wide-Ranging Unmanaged Family

Whether looking for a simple LAN hub, building a switched LAN with or without high speed uplinks, or looking for a low cost, high performance Gigabit network, small to mid-sized businesses will find an affordable, unmanaged, out-of-the-box solution – the family of 3Com® Baseline switches and hubs.

### High Performance, Rack-Mounted

Baseline switches and hubs have the power to work in the most demanding business networks, and their standard 19-inch, one rack-unit-high (1RU) form factor, consistent across the family, makes them an ideal fit for the tightest wiring closets.

### Ultra Reliability

As with other 3Com products, Baseline switches and hubs feature sturdy design and construction, which pays off in high reliability and long service life.

Enterprise divisions, branch offices, and small businesses alike appreciate the easy affordability and wide performance range of Baseline switches and hubs. Designed for offices without stringent network management needs, these products form the building blocks to create many different Ethernet LAN configurations to suit various applications.

Businesses can start a network with Baseline 10/100 switches. These permit mixing Ethernet and Fast Ethernet devices in the same LAN, giving users

### Advanced Switching Features

The 3Com Baseline switches also support Class-of-Service traffic prioritization via the IEEE 802.1p standard, so they can fit easily within larger, enterprise LANs, running real-time applications.

### Plug-and-Play Operation

3Com Baseline switches and hubs operate out of the box, with no configuration required. Built-in features simplify operation, such as 10/100 auto-sensing ports that adjust to the speed of the connected PC or device, and automatic MDI/MDIX Ethernet cable detection on all ports of all switches that automatically adapts to the Ethernet cable type used, simplifying installation.

### Limited Lifetime Warranty

Ensures peace of mind when purchasing Baseline products.

the appropriate bandwidth for their individual applications. They come in a variety of configurations, from 16-port Ethernet/Fast Ethernet units to a 48-port switch, and they feature uplink bandwidth as high as 2 Gbps (via dual Gigabit uplink ports).

All Baseline products are quick to install and simple to operate. And once they get going, they tend not to stop. switches and hubs are consistently among the industry's most reliable products.

Baseline switches and hubs offer low cost-per-port and high function-per-dollar

### 3Com Baseline Switches

3Com offers a wide range of unmanaged switches to serve a variety of applications.

#### 3Com Baseline 10/100 Switches

For offices requiring Fast Ethernet (100 Mbps) connections for desktops and office servers, with the ability to handle older desktops still running at Ethernet (10 Mbps) speeds, the 3Com Baseline 10/100 16-port and 24-port switches are the ideal solution. They come pre-configured for fast, easy installation. They feature full non-blocking performance, auto-negotiation capability, IEEE 802.1p traffic prioritization, and automatic MDI/MDIX Ethernet cable detection on all ports.

#### 3Com Baseline 10/100 Switches (with Gigabit Uplinks)



3Com Baseline 10/100 Switch 16 and 24-port

For offices requiring Fast Ethernet (100 Mbps) connections for desktops, and ultra high-speed Gigabit connections to servers or high-speed network backbones, the 3Com Baseline 10/100 switches with Gigabit uplinks are the recommended solution. One switch model delivers 48 10/100 ports, as well as two 10/100/1000 uplink ports. Also available is a 24 10/100-port switch with two 10/100/1000 uplink ports. Both feature full non-blocking performance, auto-negotiation capability, IEEE 802.1p prioritization, and automatic MDI/MDIX Ethernet cable detection on all ports.



3Com Baseline 10/100 Switch 48-port plus 2 10/100/1000

#### 3Com Baseline 10/100/1000 Switch

The Baseline 10/100/1000 switch is ideal for users who want the high-speed performance of 10/100/1000 switching but do not need sophisticated management capabilities.

The Baseline 10/100/1000 switch is pre-configured and ready to use straight from the box. It provides eight RJ-45 10/100/1000 auto-sensing ports and features full non-blocking performance, IEEE 802.1p traffic prioritization, auto-negotiation capability, automatic MDI/MDIX Ethernet cable detection on all ports and full-duplex/ half-duplex mode. Diagnostic LEDs indicate network traffic and port status of each port, making it easy to spot-check faults and check individual port status.



3Com Baseline 10/100/1000 Switch 8-port

### 3Com Baseline Dual Speed Hubs

With Baseline Dual Speed Hubs, businesses can protect their network investment while gradually moving up to Fast Ethernet.

Available with 16 or 24 ports, these products feature auto-negotiation capability, so they automatically adjust to the speed of each communicating device. They're pre-configured, for out-of-the-box installation, and they can be cascaded together to provide additional capacity without uprooting existing network equipment.



3Com Baseline Dual Speed Hub 16 and 24-port

## 3Com Baseline Switches Comparison Chart

	3Com Baseline 10/100 Switch 16-port	3Com Baseline 10/100 Switch 24-port	3Com Baseline 10/100 Switch 24-port plus 2 10/100/1000	3Com Baseline 10/100 Switch 48-port plus 2 10/100/1000	3Com Baseline 10/100/1000 Switch 8-port
3Com Order Number	3C16470	3C16471	3C16475	3C16476	3C16477
10BASE-T/100BASE-TX ports	16	24	24	48	–
10BASE-T/100BASE-TX/ 1000BASE-T ports	–	–	2	2	8
LED Indicators	Power, network traffic/duplex mode, link status/speed	Power, network traffic/duplex mode, link status/speed	Power, network traffic/duplex mode, link status/speed	Power, network traffic/duplex mode, link status/speed, fan fail	Power, network traffic/duplex mode, link status/speed
Priority Queuing	2 queues on every port	2 queues on every port	2 queues on every port	2 queues on every port	2 queues on every port
MAC Addresses Supported	4,000	4,000	4,000	8,000	8,000
MDI/MDIX	Automatic configuration on all ports	Automatic configuration on all ports	Automatic configuration on all ports	Automatic configuration on all ports	Automatic configuration on all ports
Forwarding Method	Store & forward	Store & forward	Store & forward	Store & forward	Store & forward
Telephone Support and Lifetime Limited Warranty	✓	✓	✓	✓	✓

## Features and Benefits

Feature	Benefit
Non-blocking performance	All Baseline switches operate at full wire-speed on all ports, delivering improved access to networked resources.
Automatic MDI/MDIX	Eliminates common cabling errors by automatically detecting the type of Ethernet cable used (straight-through or crossover).
IEEE 802.1p prioritization	All Baseline 10/100 switches support traffic prioritization (IEEE 802.1p) allowing networks to run real-time applications more effectively.
Simplicity	All Baseline products work "right out of the box" with no configuration and no management software needed.
Consistent form factor	Baseline family's consistent 1RU form factor, allowing for optimization of rack space.
Telephone support and limited lifetime warranty	Provides peace of mind, helps keep the LAN running at all times.

## Specifications

### Common Family Characteristics

#### 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

#### Immunity

EN 55024

#### Environmental

Operating temperature: 0° to 50°C (32° to 122°F)  
Humidity: 10 to 90% (non-condensing)  
Standard: EN 60068 (IEC 68)

### Baseline 10/100 Switches

**3C16470** (16-port)

**3C16471** (24-port)

#### Physical

Width: 440 mm (17.3 in)  
Depth: 235 mm (9.3 in)  
Height: 43.6 mm (1.7 in)  
Weight: 2.6 kg (6 lb)

#### Interfaces

16/24 RJ-45 Ethernet

#### LED Indicators

Power, network traffic/duplex mode, link status/speed

#### Functional

ISO 8802-3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.1d (bridging), IEEE 802.3x (flow control)  
Mac addresses: 4,000

#### Electrical

Power inlet: IEC 320  
AC line frequency: 50/60 Hz  
Input voltage: 100-240 VAC  
Current rating: 1A (max)  
Maximum power consumption: 49/88W  
Maximum power dissipation: 165/300 BTU/hr

### Baseline 10/100 Switches

**3C16475** (24-port plus 2 10/100/1000 uplink ports)

**3C16476** (48-port plus 2 10/100/1000 uplink ports)

#### Physical

Width: 440 mm (17.3 in)  
Depth: 235 mm (9.3 in)  
Height: 43.6 mm (1.7 in)  
Weight: 3 kg (7 lb)

#### Interfaces

26/50 RJ-45 Ethernet

#### LED Indicators

Power, network traffic/duplex mode, link status/speed

#### Functional

ISO 8802-3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.1d (bridging), IEEE 802.3x (flow control), IEEE 802.3ab (Gigabit Ethernet)  
MAC addresses: 8,000

#### Electrical

Power inlet: IEC 320  
AC line frequency: 50/60 Hz  
Input voltage: 100-240 VAC  
Current rating: 1A (max)  
Maximum power consumption: 90W  
Maximum power dissipation: 306 BTU/hr

### Baseline 10/100/1000 Switch

**3C16477** (8 10/100/1000 ports)

#### Physical

Width: 440 mm (17.3 in)  
Depth: 235 mm (9.3 in)  
Height: 43.6 mm (1.7 in)  
Weight: 2.6 kg (6 lb)

#### Interfaces

8 RJ-45 Ethernet

#### LED Indicators

Power, network traffic, 1000 Mbps (full duplex), 100 Mbps (full, half duplex), 10 Mbps (full, half duplex)

### Functional

ISO 8802-3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.1d (bridging), IEEE 802.3x (flow control), IEEE 802.3ab (Gigabit Ethernet)  
MAC addresses: 8,000

### Electrical

Power inlet: IEC 320  
AC line frequency: 47/63 Hz  
Input voltage: 100-240 VAC  
Current rating: 0.4A at 115V, 0.2A at 230V  
Maximum power consumption: 28W  
Maximum power dissipation: 95.6 BTU/hr

### Baseline Dual Speed Hubs

**3C16410** (16-port)

**3C16411** (24-port)

#### Physical

Width: 440 mm (17.3 in)  
Depth: 173 mm (6.8 in)  
Height: 43.6 mm (1.7 in)  
Weight: 2.1 kg (5 lb)

#### Interfaces

16/24 RJ-45 Ethernet

#### LED Indicators

Power, network traffic, collisions, LAN segment

#### Functional

ISO 8802-3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.1d (bridging)  
MAC addresses: 4,000

#### Electrical

Power inlet: IEC 320  
AC line frequency: 50/60 Hz  
Input voltage: 100-240 VAC  
Current rating: 1A (max)  
Maximum power consumption: 25/42W  
Maximum power dissipation: 86/142 BTU/hr

## Ordering Information

3Com Baseline 10/100 Switch 16-port	3C16470
3Com Baseline 10/100 Switch 24-port	3C16471
3Com Baseline 10/100 Switch 24-port plus 2 10/100/1000	3C16475
3Com Baseline 10/100 Switch 48-port plus 2 10/100/1000	3C16476
3Com Baseline 10/100/1000 Switch 8-port	3C16477
3Com Baseline Dual Speed Hub 16-port	3C16410
3Com Baseline Dual Speed Hub 24-port	3C16411

### All Baseline switches and hubs include:

- Plug and play simplicity
- No configuration required
- Compact 1RU high box
- Easy installation and upgrade Rack mounting kit
- Operates free-standing or 19-inch rack-mounted

### Warranty and Non-Warranty Services

Limited Lifetime Warranty, for as long as the original customer owns the product, or five years after product discontinuance, whichever occurs first. After registering the product online, other free support services such as 90 days free telephone support and factory repair or replacement may also be available, depending on regional availability.

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