

## 3Com® Family of Transceivers

### DATA SHEET

- Industry standard
- 10 Gigabit and Gigabit connectivity
- Variety of form factors

### Key Benefits

#### High-Performance Switching

3Com's family of transceivers are industry-standard, hot-swappable devices that plug into a Gigabit or 10 Gigabit Ethernet transceiver slot, linking it with either a fiber- or copper-based network.

#### Standards-Based Compliance

Compliant with IEEE standards, 3Com transceivers provide full interoperability when connected to other standards-based products.

#### Flexible and Scalable

With the ability to intermix different media types of transceivers on a single switch, these devices provide flexibility and performance in various form factors. Add connections, in the number and type, as needed (within limits of the applicable switch).

#### Variety of Form Factors

3Com® Transceivers are available in different form factors: GBIC (Gigabit Interface Converter) and SFP (Small Form-factor Pluggable) for Gigabit Ethernet connectivity, and XFP and XENPAK for 10 Gigabit Ethernet.

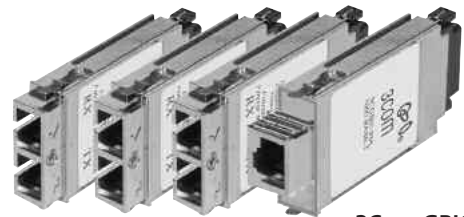
#### Easily Serviceable Hardware

Transceivers can be hot-swapped. Rather than replacing an entire circuit board containing several soldered-in modules, individual transceivers can be unplugged and replaced for repair or upgrading, with cost savings both in maintenance and in upgrading efforts.

Supported 3Com Switches and Modules

3Com Switch Family Supported

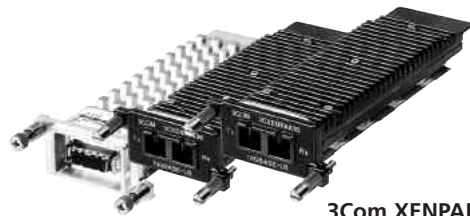
Device Type	Supported Product Name and Ordering Number	GBICs				SPFs				XENPAKs			XFPs	
		3CGBIC91	3CGBIC92	3CGBIC93A	3CGBIC97	3CSFP91	3CSFP92	3CSFP93	3CSFP97	3CXENPAK92	3CXENPAK95	3CXENPAK96	3CXFP92	3CXFP96
<b>3Com Switch 8800</b>														
Module	3Com Switch 8800 2-Port 10GBASE-X Module (3C17512)													
Module	3Com Switch 8800 1-Port 10GBASE-X Module (3C17511)										✓		✓	
<b>3Com Switch 7700</b>														
Module	3Com Switch 7700 20-port 1000BASE-X Module (3C16862)					✓	✓	✓	✓					
Module	3Com Switch 7700 8-port 1000BASE-X Module (3C16858)	✓	✓	✓	✓									
Module	3Com Switch 7700 4-Port 1000BASE-X Fabric Sub-Module (3C16874)	✓	✓	✓	✓									
Module	3Com Switch 7700 1-Port 10GBASE-X Module (3C16875)										✓		✓	
<b>3Com Switch 4005</b>														
Switch	3Com Switch 4005 40-Port Copper Fast Ethernet Starter Kit (3C16830)	✓	✓	✓	✓									
Module	3Com Switch 4005 2-Port GBIC Module (3C16843)	✓	✓	✓	✓									
<b>3Com Switch 40x0</b>														
Switch	3Com Switch 4070 (3C17707)					✓	✓	✓	✓					
Switch	3Com Switch 4060 (3C17709)	✓	✓	✓	✓									
Switch	3Com Switch 4050 (3C17708)	✓	✓	✓	✓									
Module	3Com 4-Slot GBIC Module for SuperStack® 3 Switch 4900 and Switch 40x0 (3C17714)	✓	✓	✓	✓									
<b>3Com SuperStack 3 Switch 4900</b>														
Switch	3Com SuperStack 3 Switch 4950 (3C17706)	✓	✓	✓	✓									
Module	3Com 4-Slot GBIC Module for SuperStack 3 Switch 4900 and Switch 40x0 (3C17714)	✓	✓	✓	✓									
<b>3Com SuperStack 3 Switch 4200</b>														
Switch	3Com SuperStack 3 Switch 4228G 24-Port Plus 2 10/100/1000 and 2 GBIC slots (3C17304)	✓	✓	✓	✓									
<b>3Com SuperStack 3 Switch 3800</b>														
Switch	3Com SuperStack 3 Switch 3870, 48-Port (3CR17451-91)					✓	✓	✓						
Switch	3Com SuperStack 3 Switch 3870, 24-Port (3CR17450-91)					✓	✓	✓						
Module	3Com SuperStack 3 Switch 3870 1-Port 10GBASE-X Module (3C17461)										✓	✓	✓	
Switch	3Com SuperStack 3 Switch 3848 (3CR17402-91)					✓	✓	✓						
Switch	3Com SuperStack 3 Switch 3824 (3C17400)					✓	✓	✓						
Switch	3Com SuperStack 3 Switch 3812 (3C17401)					✓	✓	✓						
<b>3Com SuperStack 3 Switch 3200</b>														
Switch	3Com SuperStack 3 Switch 3250 (3CR17501-91)					✓	✓	✓						
Switch	3Com SuperStack 3 Switch 3226 (3CR17500-91)					✓	✓	✓						
<b>3Com Baseline Switches</b>														
Switch	3Com Baseline Switch 2816-SFP Plus (3C16485)					✓	✓							
Switch	3Com Baseline Switch 2250 (3C16476A)					✓	✓							
Switch	3Com Baseline Switch 2226-PWR Plus (3C16490)					✓	✓							
Switch	3Com Baseline Switch 2226 (3C16475A)					✓	✓							



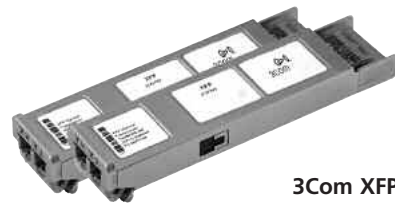
3Com GBICs



3Com SFPs



3Com XENPAKs



3Com XFPs

## Specifications

3Com Transceiver Name	Ordering Number	Cable Type	Core size (microns)	Modal Bandwidth	Transmission Range	Connector
<b>GBICs</b>						
3Com 1000BASE-SX GBIC	3CGBIC91	Multimode fiber	62.5	160	2 – 220 m (6.6 – 721.8 ft)	SC
		Multimode fiber	62.5	200	2 – 275 m (6.6 – 902.3 ft)	
		Multimode fiber	50	400	2 – 500 m (6.6 – 1,640.5 ft)	
		Multimode fiber	50	500	2 – 550 m (6.6 – 1,804.6 ft)	
3Com 1000BASE-LX GBIC	3CGBIC92	Multimode fiber	62.5	500	2 – 550 m (6.6 – 1,804.6 ft)	SC
		Multimode fiber	50	400	2 – 550 m (6.6 – 1,804.6 ft)	
		Multimode fiber	50	500	2 – 550 m (6.6 – 1,804.6 ft)	
		Single-mode fiber	9	–	2m – 10 km (6.6ft – 6 miles)	
3Com 1000BASE-LH70 GBIC	3CGBIC97	Single-mode fiber	9	–	2m – 70 km (6.6 ft – 43 miles) <sup>†</sup>	SC
3Com 1000BASE-T GBIC	3CGBIC93A	CAT-5 copper	–	–	100m (328.0 ft)	RJ-45
<b>SFPs</b>						
3Com 1000BASE-SX SFP	3CSFP91	Multimode fiber	62.5	160	2 – 220 m (6.6 – 721.8 ft)	LC
		Multimode fiber	62.5	200	2 – 275 m (6.6 – 902.3 ft)	
		Multimode fiber	50	400	2 – 500 m (6.6 – 1,640.5 ft)	
		Multimode fiber	50	500	2 – 550 m (6.6 – 1,804.6 ft)	
3Com 1000BASE-LX SFP	3CSFP92	Multimode fiber	62.5	500	2 – 550 m (6.6 – 1,804.6 ft)	LC
		Multimode fiber	50	400	2 – 550 m (6.6 – 1,804.6 ft)	
		Multimode fiber	50	500	2 – 550 m (6.6 – 1,804.6 ft)	
		Single-mode fiber	9	–	2 m – 10 km (6.6 ft – 6 miles)	
3Com 1000BASE-LH70 SFP	3CSFP97	Single-mode fiber	9	–	2 m – 70 km (6.6 ft – 43 miles) <sup>†</sup>	LC
3Com 1000BASE-T SFP	3CSFP93	CAT-5 copper	–	–	100 m (328.0 ft)	RJ-45
<b>XENPAKs</b>						
3Com 10GBASE-LR XENPAK	3CXENPAK92	Single-mode fiber	10	–	2 m – 40 km (6.6 ft – 25 miles)	SC
3Com 10GBASE-ER XENPAK	3CXENPAK96	Single-mode fiber	10	–	2 m – 10 km (6.6 ft – 6 miles)	SC
3Com 10GBASE-CX4 XENPAK	3CXENPAK95	CX4 Copper	10	–	1 – 15 m (3.3 – 49.5 ft)	Infiniband 4x
<b>XFPs</b>						
3Com 10GBASE-LR XFP	3CXFP92	Single-mode fiber	9	–	2 m – 40 km (6.6 ft – 25 miles)	LC
3Com 10GBASE-ER XFP	3CXFP96	Single-mode fiber	9	–	2 m – 10 km (6.6 ft – 6 miles)	LC

<sup>†</sup> If using cable lengths shorter than 20 km, a single-mode fiber attenuator must be used to avoid signal saturation.

**Warranty**  
One Year Limited Warranty.

## Ordering Information

PRODUCT DESCRIPTION	3COM SKU
<b>GBICs</b>	
3Com 1000BASE-SX GBIC	3CGBIC91
3Com 1000BASE-LX GBIC	3CGBIC92
3Com 1000BASE-T GBIC	3CGBIC93A
3Com 1000BASE-LH70 (70km) GBIC	3CGBIC97
<b>SFPs</b>	
3Com 1000BASE-SX SFP	3CSFP91
3Com 1000BASE-LX SFP	3CSFP92
3Com 1000BASE-T SFP	3CSFP93
3Com 1000BASE-LH70 (70km) SFP	3CSFP97
<b>XENPAKs</b>	
3Com 10GBASE-LR XENPAK	3CXENPAK92
3Com 10GBASE-CX4 XENPAK	3CXENPAK95
3Com 10GBASE-ER XENPAK	3CXENPAK96
<b>XFPs</b>	
3Com 10GBASE-LR XFP	3CXFP92
3Com 10GBASE-ER XFP	3CXFP96



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To learn more about 3Com solutions, visit [www.3com.com](http://www.3com.com). 3Com is publicly traded on NASDAQ under the symbol COMS.

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