



**Standards-based
flexible Ethernet
connections**

OVERVIEW

3Com® transceivers are industry-standard, hot-swappable devices that plug into a Fast, Gigabit, or 10-Gigabit Ethernet transceiver slot, linking it with fiber- and copper-based networks.

KEY BENEFITS

ADD CONNECTIONS AS NEEDED

Mix different media types of transceivers on a single switch; add connections, in the number and type, as needed (within limits of the applicable switch).

LEVERAGE INTEROPERABLE ARCHITECTURE

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

ADAPT WITH VARIETY OF FORM FACTORS

3Com transceivers are available in different form factors: XENPAK, XPF and SFP.

EASILY SERVICE AND SWAP HARDWARE

Transceivers can be hot-swapped, reducing maintenance and upgrading costs and network downtime. No need to replace entire circuit boards containing several soldered-in modules.

SPECIFICATIONS

Transceiver Class	Brand	Ordering Number	Cable Type	Wavelength (nm)	Fiber Core Size (microns)	Standard-Specified Max Transmission Distance	Output	Input	Connector
XFP 10GB									
10GBASE-LR XFP	3Com	3CXFP92	SMF	1,310	9	10 km (6 mi)	-8.2 to 0.5	-14.4 to 0.5	LC
	H3C™	0231A438	SMF	1,310	9	10 km (6 mi)	-8.2 to 0.5	not available	LC
10GBASE-SR XFP	3Com	3CXFP94	MMF	850	62.5	33 m (108 ft)	-4.0 to -1.1	-9.9 to -1.0	LC
	H3C	0231A494	MMF	850	62.5	33 m (108 ft)	not available	not available	LC
				850	50	300 m (984 ft)	-7.3 to -1.08	not available	
10GBASE-ER XFP	3Com	3CXFP96	SMF	1,550	9	40 km (25 mi)	-4.7 to 4	-15.8 to -1	LC
	H3C	0231A72X					-1.0 to 2	not available	
	H3C	0231A03W					-1.0 to 2		
10GBASE-ZR XFP	H3C	0231A41G	SMF	1,550	9	80 km (49.7 mi)	0 to 4	not available	LC
10GBASE-CX4 XFP	3Com	3CXFP95	Infiniband	N/A	N/A	15 m (49.5 ft)	N/A	N/A	Infiniband 4x
XENPAK 10GB									
10GBASE-LX4 XENPAK	3Com	3CXENPAK91	MMF	1,310	62.5	300 m (984 ft)	5.5 Max	-14.25 to 5.5	SC
			MMF		50	400 m (1,312.3 ft)			
	3Com	3CXENPAK92	SMF	9	10 km (6.2 mi)				
10GBASE-LR XENPAK	H3C	0231A323	SMF	1,310	9	10 km (6.2 mi)	-8.2 to 0.5	-14.4 to 0.5	SC
	3Com	3CXENPAK94	MMF	850	50	300 m (984 ft)	-7.3 to -1.3	-11.1 to -1	SC
10GBASE-SR XENPAK	H3C	0231A363	MMF	850	50	300 m (984 ft)	-7.3 to -1	not available	SC
	3Com	3CXENPAK96					-4.7 to 4	-15.8 to -1	
10GBASE-ER XENPAK	H3C	0231A324	SMF	1,550	9	40 km (25 mi)	-4.7 to 4	N/A	SC
10GBASE-ZR XENPAK	H3C	0231A08H	SMF	1,550	9	80 m (262.4 ft)	0 to 4	N/A	SC
10GBASE-CX4 XENPAK	3Com	3CXENPAK95	Infiniband	N/A	N/A	15 m (49.5 ft)	N/A	N/A	Infiniband 4x
SFP 1GB									
1000BASE-SX SFP	3Com	3CSFP91	MMF	850	62.5	275 m (902 ft)	-9.5 to 0	-17 to 0	LC
	H3C	0231A562	MMF	850	50	550 m (1,804 ft)			
1000BASE-LX SFP	3Com	3CSFP92	MMF	1,300	62.5	550 m (1,804 ft)	-9.5 to -3	-20 to -3	LC
			MMF	1,300	50	550 m (1,804 ft)			
	H3C	0231A563	SMF	1,300	9	10 km (6.2 mi)	-9.5 to -3	-20 to -3	LC
			SMF	1,310	9	10 km (6.2 mi)			
1000BASE-LX BX10-U (BIDI) SFP	H3C	0231A11U	SMF	TX 1,310/RX 1,490		10 km (6.2 mi)	-9 to -3	-18.7 to -3	LC
1000BASE-LX BX10-D (BIDI) SFP	H3C	0231A11V	SMF	TX 1,490/RX 1,310		10 km (6.2 mi)	-9 to -3	-18.7 to -3	LC
1000BASE-LH40 SFP (1310nm)	H3C	02312170	SMF	1,550	9	40 km (25 mi)	-2 to 5	-22 to -3	LC
1000BASE-LH40 SFP (1550nm)	H3C	02312172	SMF	1,550	9	40 km (25 mi)	-4 to 1	-21 to -3	LC
1000BASE-LH70 SFP	3Com	3CSFP97	SMF	1,550	9	70 km (43.5 mi)	0 to 3	-24 to -3	LC
	H3C	02312173	SMF	1,550	9	70 km (43.5 mi)	-4 to 2	-22 to -3	LC
1000BASE-LH100 SFP	H3C	0231A321	SMF	1,550	9	100 km (62.1 mi)	0 to 5	N/A	LC
1000BASE-T SFP	3Com	3CSFP93	CAT5	N/A	N/A	100 m (328 ft.)	N/A	N/A	RJ45
	H3C	0231A085							
SFP 100MB									
100BASE-FX SFP	3Com	3CSFP81	MMF	1,300	62.5	2 km (1.2 mi)	-19 to -14	-31	LC
	H3C	0231A320	MMF	1,310	50	2 km (1.2 mi)			
100BASE-FX SFP (Dual-mode)	3Com	3CSFP9-81	MMF	1,310	50	2 km (1.2 mi)	-20 to -14	-31 to -8	LC
			MMF	1,310	62.5	2 km (1.2 mi)			
100BASE-LX SFP	H3C	0231A564	SMF	1,310	9	15 km (9.3 mi)	-15 to -8	-28 to -7	LC
100BASE-LX SFP (Dual-mode)	3Com	3CSFP9-82	SMF	1,310	9	10 km (6.2 mi)	-15 to -8	-28 to -8	LC
100BASE-BX10-D SFP	3Com	3CSFP85	SMF	TX 1,550/RX 1,310		15 km (9.3 mi)	-14 to -8/-31	-31 to -3	LC
100BASE-BX10-U SFP	3Com	3CSFP86	SMF	TX 1,310/RX 1,550		15 km (9.3 mi)	-14 to -8/-31	-31 to -3	LC
100BASE-BX10-D SFP	H3C	0231A12U	SMF	TX 1,550/RX 1,310		15 km (9.3 mi)	-15 to -8	-31 to -3	LC
100BASE-BX10-U SFP	H3C	0231A12T	SMF	TX 1,310/RX 1,550		15 km (9.3 mi)	-15 to -8	-31 to -3	LC
100BASE-LH40 SFP	H3C	0231A089	SMF	1,310	9	40 km (25 mi)	-5 to 0	-34 to -9	LC
100BASE-LH80 SFP	H3C	0231A090	SMF	1,550	9	80 km (49.7 mi)	-5 to 0	-34 to -10	LC

WARRANTY AND OTHER SERVICES
 Limited Hardware Warranty for one year
 90 days free telephone technical support
 Refer to www.3com.com/warranty for details

SERVICE AND SUPPORT

3Com Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized, local focus in the local language helps drive productivity and minimize expenses. Because 3Com understands both the technology and the business, we're the partner you need to remain strong and competitive.

ORDERING INFORMATION

PRODUCT DESCRIPTION

3COM SKU

XFPs

3Com 10GBASE-LR XFP	3CXFP92
3Com 10GBASE-SR XFP	3CXFP94
3Com 10GBASE-ER XFP	3CXFP96
3Com 10GBASE-CX4 XFP	3CXFP95
H3C 10GBASE-LR XFP	0231A438
H3C 10GBASE-SR XFP	0231A494
H3C 10GBASE-ER XFP	0231A72X
H3C 10GBASE-ER XFP	0231A03W
H3C 10GBASE-ZR XFP	0231A41G

XENPAK

3Com 10GBASE-LX4 XENPAK	3CXENPAK91
3Com 10GBASE-LR XENPAK	3CXENPAK92
3Com 10GBASE-SR XENPAK	3CXENPAK94
3Com 10GBASE-ER XENPAK	3CXENPAK96
3Com 10GBASE-CX4 XENPAK	3CXENPAK95
H3C 10GBASE-LR XENPAK	0231A323
H3C 10GBASE-SR XENPAK	0231A363
H3C 10GBASE-ER XENPAK	0231A324
H3C 10GBASE-ZR XENPAK	0231A08H

SFP 1GB

3Com 1000BASE-SX SFP	3CSFP91
3Com 1000BASE-LX SFP	3CSFP92
3Com 1000BASE-LH70 SFP	3CSFP97
3Com 1000BASE-T SFP	3CSFP93
H3C 1000BASE-SX SFP	0231A562
H3C 1000BASE-LX SFP	0231A563
H3C 1000BASE-LX BX10-U (BIDI) SFP	0231A11U
H3C 1000BASE-LX BX10-D (BIDI) SFP	0231A11V
H3C 1000BASE-LH40 SFP (1310nm)	02312170
H3C 1000BASE-LH40 SFP (1550nm)	02312172
H3C 1000BASE-LH70 SFP	02312173
H3C 1000BASE-LH100 SFP	0231A321
H3C 1000BASE-T SFP	0231A085

SFP 100MB

3Com 100BASE-FX SFP	3CSFP81
3Com 100BASE-FX SFP (Dual Mode)	3CSFP9-81
3Com 100BASE-LX SFP (Dual Mode)	3CSFP9-82
3Com 100BASE-BX10-D SFP	3CSFP85
3Com 100BASE-BX10-U SFP	3CSFP86
H3C 100BASE-FX SFP	0231A320
H3C 100BASE-LX SFP	0231A564
H3C 100BASE-BX10-D SFP	0231A12U
H3C 100BASE-BX10-U SFP	0231A12T
H3C 100BASE-LH40 SFP	0231A089
H3C 100BASE-LH80 SFP	0231A090

For additional information, please visit www.3com.com



3COM

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064
3Com is publicly traded on NASDAQ under the symbol COMS.

Copyright © 2008 3Com Corporation. All rights reserved. 3Com, the 3Com logo, and OfficeConnect are registered trademarks, and H3C is a trademark, of 3Com Corporation in various countries worldwide. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.

401111-001 09/08