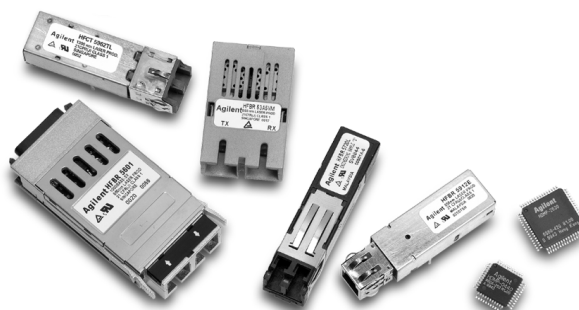# Semiconductor Solutions for Local Area Networks

Product Selection

At Agilent Technologies, we deliver interoperable optical and IC solutions for Local Area Networks.

Agilent is the number one supplier of fiber optic transceivers for the LAN, supplying more connections for the Internet than anyone else. Our broad fiber optic product line for the LAN consists of high-volume, high-performance products in a variety of form factors. These products are complemented by our communications ICs, available in a range of package and data rate options to give our customers maximum flexibility. These products work together seamlessly to provide physical layer solutions that reduce development costs, increase performance, and speed time-to-market for our customers.

LAN Products

Applications: Backbone Switches (L2/L3, ATM), Backbone Routers (IP, IP/ATM), Workgroup Hubs/Switches, NICs, Media Converters

Part Number	Description	Connector	1000 Mb/s (Gigabit Ethernet)		100 Mb/s (Fast Ethernet/FDDI)		10 Mb/s (Ethernet)
			MM 850nm VCSEL	SM 1300nm LED	MM 1300nm LED	SM 1300nm Laser	MM 820nm[1] 1300nm[2]
Fiber Optic Transmitter, Receivers and Transceivers							
HFBR-5710L	GbE SFP Transceiver with Std. De-Latch (3.3V)	LC Duplex	●				
HFBR-5710LP	GbE SFP Transceiver with Extended De-Latch (3.3V)	LC Duplex	●				
HFBR-5701L	GbE/FC SFP Transceiver with Std. De-Latch (3.3V)	LC Duplex	●				
HFBR-5701LP	GbE/FC SFP Transceiver w/Extended De-Latch (3.3V)	LC Duplex	●				
HFBR-5912E	2x5 SFF Transceiver with EMI Shield	MT-RJ	●				
HFBR-5601	1x9 Transceiver Gigabit Interface Converter (GBIC)	Duplex SC	●				
HFBR-53D5	1x9 Transceiver (5V)	Duplex SC	●				
HFBR-53D5EM	1x9 Transceiver (extended shield, 5V)	Duplex SC	●				
HFBR-53D5FM	1x9 Transceiver (flush shield, 5V)	Duplex SC	●				
HFBR-53A5VEM	1x9 Transceiver (extended shield, 3.3V)	Duplex SC	●				
HFBR-53A5VFM	1x9 Transceiver (flush shield, 3.3V)	Duplex SC	●				
HFCT-5912E	2x5 SFF Transceiver with EMI Shield	MT-RJ		●			
HFCT-5611	1x9 Transceiver Gigabit Interface Converter (GBIC)	Duplex SC		●			
HFCT-53D5EM	1x9 Transceiver (extended shield, 5V)	Duplex SC		●			
HFCT-53D5FM	1x9 Transceiver (flush shield, 5V)	Duplex SC		●			
HFBR-5903	2x5 SFF Transceiver (3.3V)	MT-RJ			●		
HFBR-5103	1x9 Transceiver (5V)	Duplex SC			●		
HFBR-5103P	1x9 Transceiver (narrow, 5V)	Duplex SC			●		
HFBR-5103T	1x9 Transceiver (5V)	Duplex ST			●		
HFBR-5803	1x9 Transceiver (3.3V)	Duplex SC			●		
HFBR-5803T	1x9 Transceiver (3.3V)	Duplex ST			●		
HFBR-5111	2x11 Transceiver	MIC			●		

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LAN Products (continued)

Applications: Backbone Switches (L2/L3, ATM), Backbone Routers (IP, IP/ATM), Workgroup Hubs/Switches, NICs, Media Converters

Part Number	Description	Connector	1000 Mb/s (Gigabit Ethernet)		100 Mb/s (Fast Ethernet/FDDI)		10 Mb/s (Ethernet)
			MM 850nm VCSEL	SM 1300nm LED	MM 1300nm LED	SM 1300nm Laser	MM 820nm[1] 1300nm[2]
Fiber Optic Transmitter, Receivers and Transceivers (continued)							
HFBR-5112	1x13 Transceiver (narrow)	MIC			●		
HFBR-5113	1x13 Transceiver	MIC			●		
HFBR-1115T	16 Pin Transmitter	ST			●		
HFBR-2115T	16 Pin Receiver	ST			●		
HFCT-5903E	2x5 SFF Transceiver (3.3V)	MT-RJ				●	
HFCT-5103B	1x9 Transceiver (black case, 5V)	Duplex SC				●	
HFCT-5103D	1x9 Transceiver (blue case, 5V)	Duplex SC				●	
HFBR-14x4	8 Pin Port Transmitter	ST, SMA					
		SC or FC					●[1]
HFBR-24xx	8 Pin Port Receiver	ST, SMA					
		SC or FC					●[1]
HFBR-13x2x	8 Pin Transmitter	ST or SC					●[2]
HFBR-23x6x	8 Pin Receiver	ST or SC					●[2]
SerDes ICs							
HDMP-1638	1.25 GBd GbE SerDes IC w/Dual Serial I/O & Differ. PECL Clock Inputs		●	●			
HDMP-1637A	1.25 GBd GbE SerDes IC with Differential PECL Clock Inputs		●	●			
HDMP-1636A	1.25 GBd GbE SerDes IC 10mm PQFP Package		●	●			
HDMP-T1636A	1.25 GBd GbE SerDes IC 10mm TQFP Package		●	●			
HDMP-1646A	1.25 GBd GbE SerDes IC 14mm PQFP Package		●	●			
HDMP-1685A	1.25 GBd Quad GbE SerDes IC w/5-pins/Channel Parallel Interface		●	●			
HDMP-1687	1.25 GBd Quad GbE SerDes IC w/REFCLK as TX Clock		●	●			
HDMP-2634	2.5 GBd SerDes IC 14 mm MQFP Package		●	●			
Port Bypass/Repeater ICs							
HDMP-0421	1.06-1.25 GBd Single PBC/Repeater w/CDR		●	●			
HDMP-0422	1.06-1.25 GBd Single PBC/Repeater w/CDR/VDD		●	●			
HDMP-0440	1.06-1.25 GBd Quad PBC/Repeater w/o CDR		●	●			
HDMP-0450	1.06-1.25 GBd Quad PBC/Repeater w/o CDR (5 muxes)		●	●			
HDMP-0452	1.06-1.25 GBd Quad PBC/Repeater w/CDR		●	●			
HDMP-0480	1.06-1.25 GBd Octal Cell PBC/Repeater w/o CDR		●	●			
HDMP-0482	1.06-1.25 GBd Octal Cell PBC/Repeater w/CDR/VDD		●	●			

FieldBus/Proprietary Links

Part Number	Description	Interbus-s 2 MBd	Profibus 12 MBd	Sercos 2-8 MBd	Proprietary DC-155 MBd
HFBR-14xx	8 Pin ST, SMA, SC and FC Port Transmitters				●
HFBR-24xx	8 Pin ST, SMA, SC and FC Port Receivers				●
HFBR-1505A	6 Pin SMA Port Transmitter for POF or HCS Fiber			●	
HFBR-2505A	6 Pin SMA Port Receiver for POF or HCS Fiber	●		●	
HFBR-1515B	6 Pin ST Port Transmitter for POF or HCS Fiber		●		
HFBR-2515B	6 Pin ST Port Receiver for POF or HCS Fiber		●		
HFBR-1505C	6 Pin SMA Port Transmitter for POF or HCS Fiber	●			
HFBR-152X	6 Pin V-Link Transmitter for POF or HCS Fiber				●
HFBR-252X	6 Pin V-Link Receiver for POF or HCS Fiber				●

Data subject to change.

Obsoletes 5988-2075EN

August 30, 2001

5988-4016EN

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