



With the Asante GBIC 1000SX/LX/LH modules, quickly add support for Gigabit Ethernet over fiber media.

- For Asante IntraCore[®] and other Gigabit switches with industry-standard SFP garages (non-keyed)
- GBIC 1000SX, multimode, supports distances up to 550 meters
- GBIC 1000LX, wavelength 1310nm, singlemode, supports distances up to 10 kilometers
- GBIC 1000LH, wavelength 1310nm, singlemode, supports distances up to 40 kilometers
- Hot swappable
- Compliant with IEEE 802.3z Gigabit Ethernet standards
- Compatible with 3.3 VDC or 5 VDC power supply



SPECIFICATIONS – GBIC 1000SX

Overview

LAN:	Fiber Gigabit Ethernet : SC connector
Form Factor:	GBIC with SCA-2 host connector
Voltage:	3.3 and 5 VDC
Wavelength:	850 nm
Fiber Type:	Multi-mode (MMF)
Typical Coverage:	50.0 micron, 500 MHz/km: 550 meters (1804 feet) 62.5 micron, 200 MHz/km: 275 meters (902 feet)

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Optical Characteristics (T= 0° C – 70° C; Vcc=3.1 ~ 5.25 V)

	Min.	Typ.	Max	Unit
Output Optical Power (P _{OUT})	-9	----	-4	dBm
Extinction Ratio (E _R)	9	----	----	dB
Optical Input Power (P _{IN})	----	----	0	dBm
Sensitivity (P _{IN})	----	----	-18	dBm
Optical Return Loss (OLR)	12	----	----	dB
Loss of Signal - Asserted (LOS _A)	-32	----	----	dBm
Loss of Signal - Deasserted (LOS _B)	----	----	-18	dBm

Standards Compliance

Network:	IEEE 802.3z Gigabit Ethernet
Safety:	Class 1 Laser complies with IEC 60825-1
Regulatory:	UL 94V-0

Physical and Environmental

Case:	Chrome metal
Dimensions (L x W x H):	2.6 x 1.3 x 0.5 inches (65.4 x 33.5 x 11.9 mm)
Weight:	About 0.1 pounds (0.05 Kg)
Storage Temperature:	-40° to 85° C
Operating Temperature:	32° to 158° F (0° to 70° C)
Relative Humidity:	10% to 90% non-condensing

SPECIFICATIONS – GBIC 1000LX

Overview

LAN:	Fiber Gigabit Ethernet : SC connector
Form Factor:	GBIC with SCA-2 host connector
Voltage:	3.3 and 5 VDC
Wavelength:	1310 nm
Fiber Type:	Single-mode (SMF)
Typical Coverage:	Up to 10 kilometers

Optical Characteristics (T= 0° C – 70° C; Vcc=3.1 ~ 5.25 V)

	Min.	Typ.	Max	Unit
Output Optical Power (P _{OUT})	-9	----	-3	dBm
Extinction Ratio (E _R)	9	----	----	dB
Optical Input Power (P _{IN})	----	----	-3	dBm
Sensitivity (P _{IN})	----	----	-20	dBm
Optical Return Loss (OLR)	12	----	----	dB
Loss of Signal - Asserted (LOS _A)	-35	----	----	dBm
Loss of Signal - Deasserted (LOS _B)	----	----	-20	dBm

Standards Compliance

Network:	IEEE 802.3z Gigabit Ethernet
Safety:	Class 1 Laser complies with IEC 60825-1
Regulatory:	UL 94V-0

Physical and Environmental

Case:	Chrome metal
Dimensions (L x W x H):	2.6 x 1.3 x 0.5 inches (65.4 x 33.5 x 11.9 mm)
Weight:	About 0.1 pounds (0.05 Kg)
Storage Temperature:	-40° to 85° C
Operating Temperature:	32° to 158° F (0° to 70° C)
Relative Humidity:	10% to 90% non-condensing

SPECIFICATIONS – GBIC 1000LH

Overview

LAN:	Fiber Gigabit Ethernet : SC connector
Form Factor:	Small Form Factor Pluggable MSA compliant
Wavelength:	1310 nm
Fiber Type:	Single-mode (SMF)
Typical Coverage:	Up to 40 kilometers

Optical Characteristics (T= 0° C – 70° C; Vcc=3.1 ~ 5.25 V)

	Min.	Typ.	Max	Unit
Output Optical Power (P _{OUT})	-2	----	3	dBm
Extinction Ratio (E _R)	9	----	----	dB
Optical Input Power (P _{IN})	---	----	0	dBm
Sensitivity (P _{IN})	----	----	-22	dBm
Optical Return Loss (OLR)	12	----	----	dB
Loss of Signal - Asserted (LOS _A)	-30	-25	----	dBm
Loss of Signal - Deasserted (LOS _D)	----	-23	-20	dBm

Standards Compliance

Network:	IEEE 802.3z Gigabit Ethernet
Safety:	Class 1 Laser complies with IEC 60825-1
Regulatory:	EN (IEC) 60950

Physical and Environmental

Case:	Chrome metal
Dimensions (L x W x H):	2.6 x 1.3 x 0.5 inches (65.4 x 33.5 x 11.9 mm)
Weight:	About 0.1 pounds (0.05 Kg)
Storage Temperature:	-40° to 85° C
Operating Temperature:	32° to 158° F (0° to 70° C)
Relative Humidity:	10% to 90% non-condensing

Support

Technical Support:	24-hour support via web and ftp. 3-year email and telephone support
Product Warranty:	3-year product warranty covers defects in manufacturing and workmanship

ORDERING INFORMATION

Model Name	Description
GBIC 1000SX	1000BaseSX GBIC module
GBIC 1000LX	1000BaseLX GBIC module
GBIC 1000LH	1000BaseLH GBIC module



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