

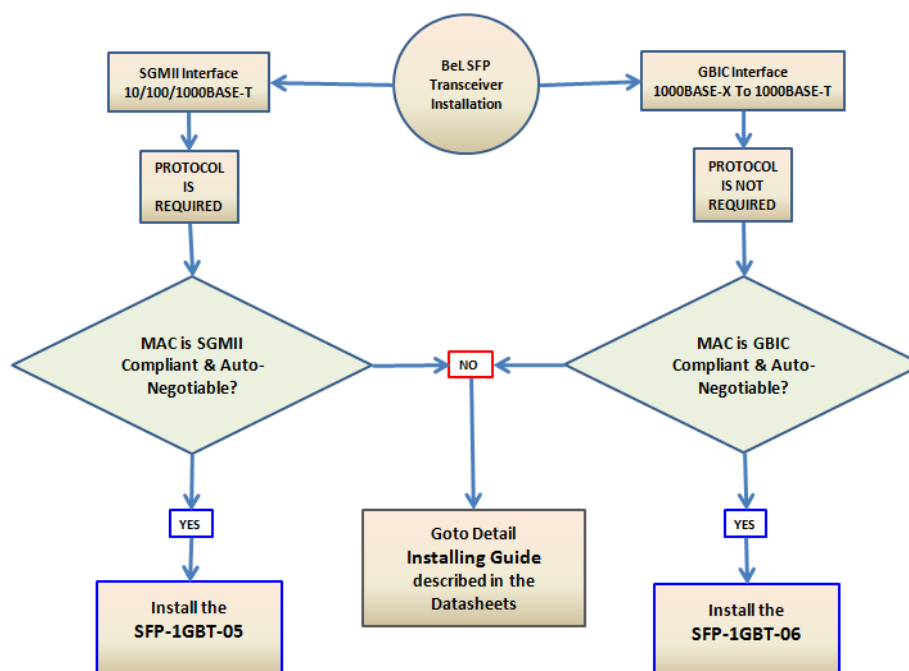
Bel RJ45 Copper SFP Transceivers Selection Guide



Part Number	Broadcom Chipset	Applications	Host Interface	IEEE Spec	Operating Temperature	Cable
SFP-1GBT-05	BCM54616S	10/100/1000Base-T	SGMII Compliant	IEEE 802.3ab, u	-40°C + 85°C	Cat5/5e (Note 1)
SFP-1GBT-06	BCM54616S	1000Base-X to 1000Base-T	GBIC Compliant	IEEE 802.3ab	-40°C + 85°C	Cat5/5e (Note 2)

Note 1: 2 or 4 pair: 10Base-T Full or Half Duplex, 100Base-T Full or Half Duplex, 1000Base-T Full or Half Duplex

Note 2: 4 pair: 1000 Mbps



FAQ for Quick Installation

Q: Is a specific firmware required for installing Bel's Copper SFP Transceivers?

A: No, if the **MAC** is either **SGMII** or **GBIC compliant** with **Auto-Negotiation ENABLE**, simply plug in the RJ45 connector to the SFP Transceivers. Then, insert it into the SFP cage of the system host.

Q: What if the **MAC** is currently hosting other vendors' SFP Transceivers with their related **firmware**?

A: Bel's SFP Transceivers **will not recognize** the firmware that is R/W for other vendors such as **Finisar, Avago**, etc. **MAC** should be reset to its **original state** of SGMII or GBIC compliant to make sure that Auto-Negotiation is **ENABLE** and other firmware is purged from the system host. Then, simply install Bel's SFP Transceivers as described above.

Q: Can the SFP Transceiver be programmed to switch between the two interfaces such as SGMII or GBIC?

A: Yes, by accessing the **PHY registers** and following the detailed instructions in the datasheet. However, we recommend that you select each SFP part number for a dedicated interface.

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