

## SFP85P55GExx – Dual fibre transceiver 850nm / 550m / Gigabit Ethernet

**Overview**  
SFP85P55GExx is a high performance transceiver module for Gigabit Ethernet data link over a multimode fiber pair. The maximum reach is 550m, for a 7dB end of life (EOL) power budget. The emitter is a 850nm VCSEL laser, the receiver a PIN photodiode.

This transceiver module is compliant with the Small Form-factor Pluggable (SFP) Multisource Agreement (MSA) and hot pluggable. Always contact Skylane commercial agents for compatibility with different equipment platforms.

### Features

- SFP Multi-Source Agreement compliant
- Dual LC connector
- 850nm VCSEL transmitter
- Up to 550m point-to-point transmission on multimode fibre
- 1x Fibre Channel compliant
- Gigabit Ethernet compliant
- Hot pluggable SFP footprint
- Serial ID functionality supported according to SFF-8472
- Class 1 laser safety standard IEC 60825 compliant
- Low power dissipation (<1W)
- Operating temperature range -20°C to 85°C
- Digital diagnostics monitoring (DDM) Option



### Applications

- FTTx
- Gigabit Ethernet
- Storage

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

### Optical Interface

P/N	Nominal Wavelength [nm]	Average Output Power (1) [dBm]	Typical Optical. Receiver Sensitivity (2) [dBm]	Optical Receiver Overload [dBm]
<b>SFP85P55GExx</b>	850nm	-10 to -3	-17	0

[1] EOL, over operating temperature range

[2] Measured at Gigabit Ethernet

Specification subject to change without notice

**Ordering information**

Part Number	Description
SFP85P55GE00	SFP dual fibre, Tx 850nm (VCSEL) , Rx (PIN), maximum distance 550m, power budget 7dB, Gigabit Ethernet, LC connector, 0°C to 70°C
SFP85P55GE0D	SFP dual fibre, Tx 850nm (VCSEL) , Rx (PIN), maximum distance 550m, power budget 7dB, Gigabit Ethernet, LC connector, 0°C to 70°C, DDM
SFP85P55GE10	SFP dual fibre, Tx 850nm (VCSEL) , Rx (PIN), maximum distance 550m, power budget 7dB, Gigabit Ethernet, LC connector, -20°C to 85°C
SFP85P55GE1D	SFP dual fibre, Tx 850nm (VCSEL) , Rx (PIN), maximum distance 550m, power budget 7dB, Gigabit Ethernet, LC connector, -20°C to 85°C, DDM