

## Highlights

- Compatible to all devices equipped with standard SFP Slots
- Allows flexible adaption of the devices to your infrastructure
- Simplex/Duplex LC Adapter suitable for your fiber type
- Multi-mode, Single-mode, WDM, CWDM, or DWDM available
- Digital Diagnostics (DD), SFF-8472 compliant

# SFP Modules / Mini-GBICs

## Small Form-factor Pluggable Modules



We offer a wide choice of standard SFP modules (also called Mini-GBICs) as a complement to our fiber-optic based products.

These modules come from various third-party manufacturers. For your convenience, we specify them by their technical specifications so that you can order them according to their

demanded properties.

All offered SFP modules include Digital Diagnostic Monitoring (DDM), which enables line monitoring through our products.

## Ordering Information

Order Code	Wavelength nm	Fiber type	Data Rate Gbit/s	Output min.	Receiver. Min.	Budget
<b>SFP Modules for Fibre Channel, Gigabit Ethernet, and STM-1</b>						
<b>Copper</b>						
SFP-155-CU (BNC Connector)	Copper	Coax	0.155	-	-	-
SFP-1250-CU (RJ45 Connector)	Copper	RJ45	1.25	-	-	-
<b>Multi-mode</b>						
SFP-1250-850-MM-T9R19 (SX)	850nm	MM	1.0-1.25	-9dBm	-19dBm	10dB
<b>Single-mode</b>						
SFP-1250-1310-SM-T9R19 (LX)	1310nm	SM	1.0-1.25	-9dBm	-19dBm	10dB
SFP-1250-1310-SM-T5R24	1310nm	SM	1.0-1.25	-5dBm	-24dBm	19dB
SFP-1250-1310-SM-T0R24	1310nm	SM	1.0-1.25	0dBm	-24dBm	24dB
SFP-1250-1310-SM-T0R30	1310nm	SM	1.0-1.25	0dBm	-30dBm	30dB
SFP-1250-1550-SM-T0R24 (ZX)	1550nm	SM	1.0-1.25	0dBm	-24dBm	24dB
SFP-1250-1550-SM-T0R30	1550nm	SM	1.0-1.25	0dBm	-30dBm	30dB
<b>Bidirectional / WDM</b>						
SFP-1250-1315-SM-T10-R22	Tx 1310nm Rx 1550nm	SM	1.0-1.25	-10dBm	-22dBm	12dB
SFP-1250-1513-SM-T10-R22	Tx 1550nm Rx 1310nm	SM	1.0-1.25	-10dBm	-22dBm	12dB
SFP-1250-1314-SM-T10-R22	Tx 1310nm Rx 1490nm	SM	1.0-1.25	-10dBm	-22dBm	12dB
SFP-1250-1413-SM-T10-R22	Tx 1490nm Rx 1310nm	SM	1.0-1.25	-10dBm	-22dBm	12dB
<b>SFP Modules for Fibre Channel and Gigabit Ethernet, continued on next page...</b>						

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### Ordering Information (continued)

Order Code	Wavelength nm	Fiber type	Data Rate Gbit/s	Output min.	Receiver Min.	Budget
<b>SFP Modules for Fibre Channel and Gigabit Ethernet, continued</b>						
<b>Single-mode CWDM</b>						
SFP-1250-CXXXX-SM-T5R24	CWDM	SM	1.0-1.25	-5dBm	-24dBm	19dB
SFP-1250-CXXXX-SM-T0R24	CWDM	SM	1.0-1.25	0dBm	-24dBm	24dB
SFP-1250-CXXXX-SM-T0R30	CWDM	SM	1.0-1.25	0dBm	-30dBm	30dB
<b>SFP Modules for STM-1, STM-4, STM-16, Fibre Channel and Gigabit Ethernet</b>						
<b>Multi-rate 125-2700Mbit/s</b>						
<b>Multi-mode</b>						
SFP-2150-850-MM-T9R19	850nm	MM	1.0-2.15	-9dBm	-19dBm	10dB
SFP-4250-850-MM-T9R15	850nm	MM	1.0-4.25	-9dBm	-15dBm	6dB
<b>Single-mode</b>						
SFP-2700-1310-SM-T9R19	1310nm	SM	0.125-2.7	-9dBm	-19dBm	10dB
SFP-2700-1310-SM-T5R20	1310nm	SM	0.125-2.7	-5dBm	-20dBm	15dB
SFP-2700-1310-SM-T2R28	1310nm	SM	0.125-2.7	-2dBm	-28dBm	26dB
SFP-4250-1310-SM-T3R18	1310nm	SM	1.0-4.24	-3dBm	-18dBm	15dB
SFP-2700-1550-SM-T2R18	1550nm	SM	0.125-2.7	-2dBm	-18dBm	16dB
SFP-2700-1550-SM-T2R21	1550nm	SM	0.125-2.7	-2dBm	-21dBm	19dB
SFP-2700-1550-SM-T2R28	1550nm	SM	0.125-2.7	-2dBm	-28dBm	26dB
<b>Single-mode CWDM</b>						
SFP-2700-CXXXX-SM-T2R21	CWDM	SM	0.125-2.7	-2dBm	-21dBm	19dB
SFP-2700-CXXXX-SM-T0R28	CWDM	SM	0.125-2.7	-0dBm	-28dBm	28dB
SFP-4250-CXXXX-SM-T0R18	CWDM	SM	1.0-4.24	-0dBm	-18dBm	18dB
XXXX = CWDM wavelength in nm; available wavelengths are: 1270, 1290, 1310, 1330, 1350, 1370, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610						
<b>Single-mode DWDM</b>						
SFP-2700-D15YY.YY-SM-T0R28	DWDM	SM	0.125-2.7	-0dBm	-28dBm	28dB
15YY.YY = DWDM wavelength in nm; available wavelengths are 1528.77 - 1563.86 (45 Channels 61 - 17) in 100GHz ITU-T Grid, C Band						
<b>Other SFP module types are available on request.</b>						