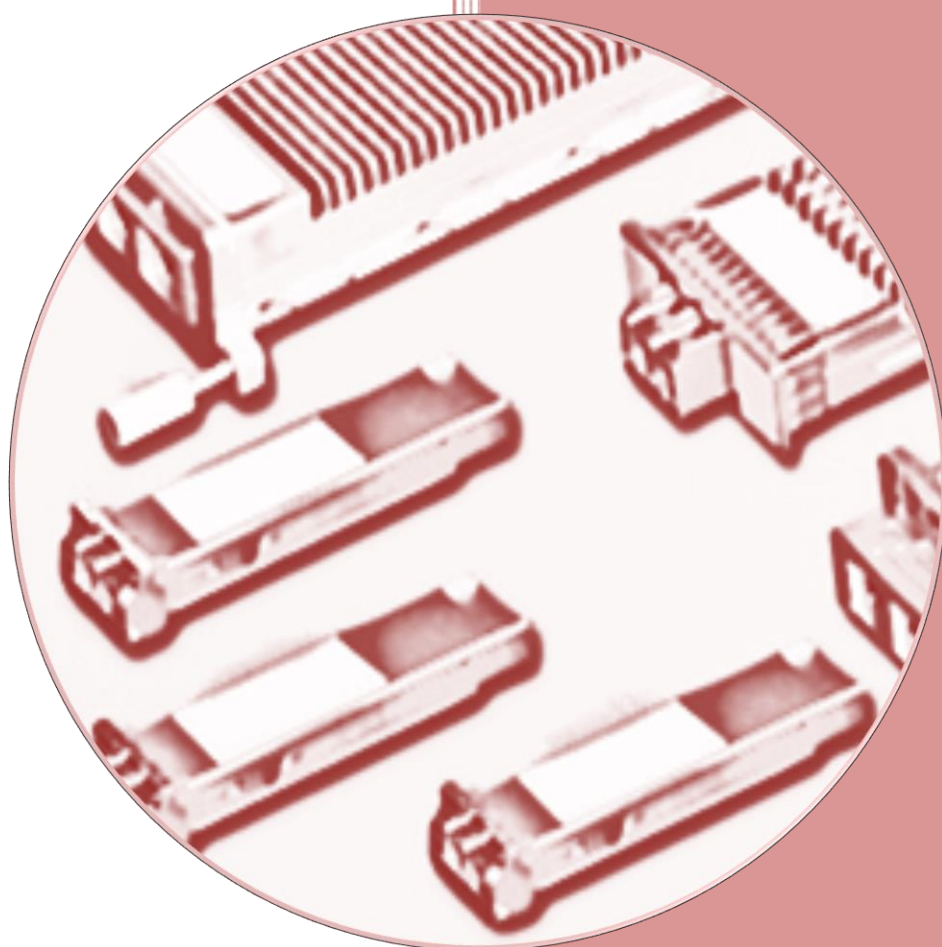




**METRIC**  
INDUSTRIAL

Pluggbar Elektronikk  
GBIC, SFP, SFP+, XFP, X2, XENPAK



Pluggbar Elektronikk fra 100 Mbit/s til 10 Gbit/s. Leveres i alle standard bølgelengder samt for CWDM og DWDM. Modulene støtter alle gjeldende standarder og kan dessuten leveres i varianter med utvidet temperatur område. Modulene passer til både ukodede og til Cisco kodede switcher. Koding for andre switcher som HP, Extreme etc. leveres på forespørsel. Modulene er "Hot-pluggable" (kan plugges inn og fjernes med strøm på).

- GBIC, SFP, SFP+, XFP, X2 og XENPAK fra 100Mbit/s til 10Gbit/s
- Alle standard (850, 1310 og 1550 nm), CWDM og DWDM bølgelengder
- Tilgjengelig både for 1-fiber (BiDi) og 2-fiber
- 100 Mbit/s og 1Gbit/s SFP'ene er tilgjengelig med og uten DDM (Digital-Diagnostic-Monitoring)



SFP / SFP+ 2-fiber



SFP / SFP+ 1-fiber (BiDi)



SFP / SFP+ CWDM/DWDM



XFP 2-fiber



XFP 1-fiber (BiDi)



XFP CWDM/DWDM



XENPAK 2-fiber/CWDM/DWDM



X2 2-fiber/CWDM/DWDM



GBIC 1-fiber (BiDi)/2-Fiber/CWDM

### **GBIC 1.25Gbit/s**

- 1.25Gbit/s
- Gigabit Ethernet
- Kan leveres som 1-fiber varianter (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- SC kontakt
- Kompatibel med SFF-8472
- Temperatur område: 0°C-+70°C. Enheter med utvidet temperaturområde leveres på forespørsel.

### **GBIC 1250 Multimodus**

---

GBIC-1250-MM85-550	GBIC 1,25 Gbit/s, 850 nm, MM 9dB, 500/275 mtr
GBIC-1250-MM31-550	GBIC 1,25 Gbit/s, 1310 nm, MM 8dB, 500/275 mtr

---

### **GBIC 1250 Singelmodus**

---

GBIC-1250-SM31-010	GBIC 1,25 Gbit/s, 1310 nm, SM 11dB, 10 km
GBIC-1250-SM55-010	GBIC 1,25 Gbit/s, 1550 nm, SM 11dB, 10 km
GBIC-1250-SM31-040	GBIC 1,25 Gbit/s, 1310 nm, SM 19dB, 40 km
GBIC-1250-SM55-080	GBIC 1,25 Gbit/s, 1550 nm, SM 26dB, 80 km
GBIC-1250-SM55-120	GBIC 1,25 Gbit/s, 1550 nm, SM 29dB, 120 km

---

### **GBIC 1250 Singelmodus 1-fiber (BiDi)**

---

GBIC-1250D-SM4931-010	GBIC 1,25 Gbit/s, 1490Tx/1310Rx, SM 11dB, 10 km
GBIC-1250U-SM3149-010	GBIC 1,25 Gbit/s, 1310Tx/1490Rx, SM 11dB, 10 km
GBIC-1250D-SM5531-010	GBIC 1,25 Gbit/s, 1550Tx/1310Rx, SM 11dB, 10 km
GBIC-1250U-SM3155-010	GBIC 1,25 Gbit/s, 1310Tx/1550Rx, SM 11dB, 10 km
GBIC-1250D-SM4931-040	GBIC 1,25 Gbit/s, 1490Tx/1310Rx, SM 19dB, 40 km
GBIC-1250U-SM3149-040	GBIC 1,25 Gbit/s, 1310Tx/1490Rx, SM 19dB, 40 km
GBIC-1250D-SM5531-040	GBIC 1,25 Gbit/s, 1550Tx/1310Rx, SM 19dB, 40 km
GBIC-1250U-SM3155-040	GBIC 1,25 Gbit/s, 1310Tx/1550Rx, SM 19dB, 40 km
GBIC-1250D-SM5549-080	GBIC 1,25 Gbit/s, 1550Tx/1490Rx, SM 26dB, 80 km
GBIC-1250U-SM4955-080	GBIC 1,25 Gbit/s, 1490Tx/1550Rx, SM 26dB, 80 km

---

### **GBIC 1250 Singelmodus 1-fiber (BiDi) CWDM**

---

GBIC-1250-CWDM-xyyyD-080	GBIC 1,25 Gbit/s, 1xx0Tx/1yy0Rx, SM 26dB, 80 km
GBIC-1250-CWDM-yyxxU-080	GBIC 1,25 Gbit/s, 1yy0Tx/1xx0Rx, SM 26dB, 80 km

---

*xx/yy: 27=1271, 29=1291, 31=1311, 33=1331, 35=1351, 37=1371, 39=1391, 41=1411, 43=1431, 45=1451, 47=1471, 49=1491, 51=1511, 53=1531, 55=1551, 57=1571, 59=1591, 61=1611 nm*

### **GBIC 1250 Singelmodus CWDM**

---

GBIC-1250-CWDM-xxxx-020	GBIC 1,25 Gbit/s, CWDM xxxx nm, SM 11db, 20 km
GBIC-1250-CWDM-xxxx-040	GBIC 1,25 Gbit/s, CWDM xxxx nm, SM 19db, 40 km
GBIC-1250-CWDM-xxxx-080	GBIC 1,25 Gbit/s, CWDM xxxx nm, SM 26db, 80 km
GBIC-1250-CWDM-xxxx-120	GBIC 1,25 Gbit/s, CWDM xxxx nm, SM 29db, 120 km

---

*xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm*

### **SFP 155Mbit/s**

- 100 Mbit/s til 155 Mbit/s
- Fast Ethernet, SONET OC-3, SDH STM-1
- Tilgjengelig med og uten støtte for DDM
- Kan leveres som 1-fiber varianter (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- LC kontakt
- Kompatibel med SFP MSA og SFF-8472
- Temperatur område: 0°C-+70°C. Enheter med utvidet temperaturområde leveres på forespørsel

### **SFP 155 Multimodus**

---

SFP-155-MM31-002D	SFP 155 Mbit/s, 1310 nm, MM 10dB, 2 km, DDM
-------------------	---

---

Merk! Siste bokstav i art nummer: D = med DDM, Blank = Uten DDM

### **SFP 155 Singelmodus**

---

SFP-155-SM31-020D	SFP 155 Mbit/s, 1310 nm, SM 14dB, 20 km, DDM
SFP-155-SM31-040D	SFP 155 Mbit/s, 1310 nm, SM 25dB, 40 km, DDM
SFP-155-SM55-080D	SFP 155 Mbit/s, 1550 nm, SM 28dB, 80 km, DDM
SFP-155-SM55-120D	SFP 155 Mbit/s, 1550 nm, SM 32dB, 120 km, DDM

---

Merk! Siste bokstav i art nummer: D = med DDM, Blank = Uten DDM

### **SFP 155 Singelmodus 1-fiber (BiDi)**

---

SFP-155D-SM4931-020D	SFP 155 Mbit/s, 1490Tx/1310Rx, SM 13dB, 20 km, DDM
SFP-155U-SM3149-020D	SFP 155 Mbit/s, 1310Tx/1490Rx, SM 13dB, 20 km, DDM
SFP-155D-SM5531-020D	SFP 155 Mbit/s, 1550Tx/1310Rx, SM 13dB, 20 km, DDM
SFP-155U-SM3155-020D	SFP 155 Mbit/s, 1310Tx/1550Rx, SM 13dB, 20 km, DDM
SFP-155D-SM5531-040D	SFP 155 Mbit/s, 1550Tx/1310Rx, SM 25dB, 40 km, DDM
SFP-155U-SM3155-040D	SFP 155 Mbit/s, 1310Tx/1550Rx, SM 25dB, 40 km, DDM

---

Merk! Siste bokstav i art nummer: D = med DDM, Blank = Uten DDM

### **SFP 1,25Gbit/s**

- Inntil 1,25 Gbit/s
- Gigabit Ethernet, Fiber Channel
- Tilgjengelig med og uten støtte for DDM
- Kan leveres som 1-fiber variant (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- LC kontakt
- Kompatibel med SFP MSA og SFF-8472
- Temperatur område: 0°C-+70°C. Enheter med utvidet temperaturområde leveres på forespørsel

### **SFP 1250 Multimodus**

---

SFP-1250-MM85-550D	SFP 1,25 Gbit/s, 850 nm, MM 9dB, 500/275 mtr, DDM
--------------------	---

---

Merk! Siste bokstav i art nummer: D = med DDM, Blank = Uten DDM

### **SFP 1250 Singelmodus**

---

SFP-1250-SM31-010D	SFP 1,25 Gbit/s, 1310 nm, SM 19dB, 10 km, DDM
SFP-1250-SM31-020D	SFP 1,25 Gbit/s, 1310 nm, SM 11dB, 20 km, DDM
SFP-1250-SM31-040D	SFP 1,25 Gbit/s, 1310 nm, SM 19dB, 40 km, DDM
SFP-1250-SM55-040D	SFP 1,25 Gbit/s, 1550 nm, SM 19dB, 40 km, DDM
SFP-1250-SM55-080D	SFP 1,25 Gbit/s, 1550 nm, SM 26dB, 80 km, DDM
SFP-1250-SM55-120D	SFP 1,25 Gbit/s, 1550 nm, SM 32dB, 120 km, DDM
SFP-1250-SM55-160D	SFP 1,25 Gbit/s, 1550 nm, SM 36dB, 160 km, DDM

---

Merk! Siste bokstav i art nummer: D = med DDM, Blank = Uten DDM

### **SFP 1250 Singelmodus 1-fiber (BiDi)**

---

SFP-1250D-SM4931-020D	SFP 1,25 Gbit/s, 1490Tx/1310Rx, SM 11dB, 20 km, DDM
SFP-1250U-SM3149-020D	SFP 1,25 Gbit/s, 1310Tx/1490Rx, SM 11dB, 20 km, DDM
SFP-1250D-SM5531-020D	SFP 1,25 Gbit/s, 1550Tx/1310Rx, SM 11dB, 20 km, DDM
SFP-1250U-SM3155-020D	SFP 1,25 Gbit/s, 1310Tx/1550Rx, SM 11dB, 20 km, DDM
SFP-1250D-SM5549-040D	SFP 1,25 Gbit/s, 1550Tx/1490Rx, SM 19dB, 40 km, DDM
SFP-1250U-SM4955-040D	SFP 1,25 Gbit/s, 1490Tx/1550Rx, SM 19dB, 40 km, DDM
SFP-1250D-SM5531-040D	SFP 1,25 Gbit/s, 1550Tx/1310Rx, SM 19dB, 40 km, DDM
SFP-1250U-SM3155-040D	SFP 1,25 Gbit/s, 1310Tx/1550Rx, SM 19dB, 40 km, DDM
SFP-1250D-SM5531-080D	SFP 1,25 Gbit/s, 1550Tx/1310Rx, SM 26dB, 80 km, DDM
SFP-1250U-SM3155-080D	SFP 1,25 Gbit/s, 1310Tx/1550Rx, SM 26dB, 80 km, DDM
SFP-1250D-SM5531-120D	SFP 1,25 Gbit/s, 1550Tx/1310Rx, SM 31dB, 120 km, DDM
SFP-1250U-SM3155-120D	SFP 1,25 Gbit/s, 1310Tx/1550Rx, SM 31dB, 120 km, DDM

---

Merk! Siste bokstav i art nummer: D = med DDM, Blank = Uten DDM

### **SFP 1250 CWDM**

---

SFP-1250-CWDM-xxxx-020D	SFP 1,25 Gbit/s, CWDM xxxx nm, SM 11db, 20 km, DDM
SFP-1250-CWDM-xxxx-040D	SFP 1,25 Gbit/s, CWDM xxxx nm, SM 14dB, 40 km, DDM
SFP-1250-CWDM-xxxx-080D	SFP 1,25 Gbit/s, CWDM xxxx nm, SM 28dB, 80 km, DDM
SFP-1250-CWDM-xxxx-120D	SFP 1,25 Gbit/s, CWDM xxxx nm, SM 32dB, 120 km, DDM
SFP-1250-CWDM-xxxx-160D <sup>1)</sup>	SFP 1,25 Gbit/s, CWDM xxxx nm, SM 36dB, 160 km, DDM

---

xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

<sup>1)</sup> xxxx = 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

Merk! Siste bokstav i artikkelnummer: D = med DDM, Blank = Uten DDM

### **SFP 2.5Gbit/s**

- Multirate 1Gbit/s til 2,5 Gbit/s
- Gigabit Ethernet, Fiber Channel, 2x Fiber Channel, SONET OC-48, SDH STM-16
- Med støtte for DDM
- Kan leveres som 1-fiber variant (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- LC kontakt
- Kompatibel med SFP MSA og SFF-8472
- Temperatur område: 0°C-+70°C. Enheter med utvidet temperaturområde leveres på forespørsel

### **SFP 2500 Multimodus**

---

SFP-2500-MM85-550D	SFP 2,5 Gbit/s, 850 nm, MM 9 dB, 500/275 mtr, DDM
--------------------	---

---

### **SFP 2500 Singelmodus**

---

SFP-2500-SM31-002D	SFP 2,5 Gbit/s, 1310 nm, SM 9 dB, 2 km, DDM
SFP-2500-SM31-020D	SFP 2,5 Gbit/s, 1310 nm, SM 14 dB, 20 km, DDM
SFP-2500-SM55-020D	SFP 2,5 Gbit/s, 1550 nm, SM 14 dB, 20 km, DDM
SFP-2500-SM31-040D	SFP 2,5 Gbit/s, 1310 nm, SM 17 dB, 40 km, DDM
SFP-2500-SM55-040D	SFP 2,5 Gbit/s, 1550 nm, SM 17 dB, 40 km, DDM
SFP-2500-SM55-080D	SFP 2,5 Gbit/s, 1550 nm, SM 26 dB, 80 km, DDM
SFP-2500-SM55-120D	SFP 2,5 Gbit/s, 1550 nm, SM 31 dB, 120 km, DDM

---

### **SFP 2500 Singelmodus 1-fiber (BiDi)**

---

SFP-2500D-SM5531-020D	SFP 2,5 Gbit/s, 1550Tx/1310Rx, SM 14 dB, 20 km, DDM
SFP-2500U-SM3155-020D	SFP 2,5 Gbit/s, 1310Tx/1550Rx, SM 14 dB, 20 km, DDM
SFP-2500D-SM5531-040D	SFP 2,5 Gbit/s, 1550Tx/1310Rx, SM 17 dB, 40 km, DDM
SFP-2500U-SM3155-040D	SFP 2,5 Gbit/s, 1310Tx/1550Rx, SM 17 dB, 40 km, DDM

---

### **SFP 2500 CWDM**

---

SFP-2500-CWDM-xxxx-040D	SFP 2,5 Gbit/s, CWDM xxxx nm, SM 17 dB, 80 km, DDM
SFP-2500-CWDM-xxxx-080D	SFP 2,5 Gbit/s, CWDM xxxx nm, SM 26 dB, 120 km, DDM
SFP-2500-CWDM-xxxx-120D	SFP 2,5 Gbit/s, CWDM xxxx nm, SM 31 dB, 160 km, DDM

---

xxxx = 1271 ,1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

### **SFP 2500 DWDM**

---

SFP-2500DWDM-xxxx-080D	SFP 2,5 Gbit/s Ethernet, DWDM xxxx, SM 28 dB, 80 km, DDM
SFP-2500DWDM-xxxx-120D	SFP 2,5 Gbit/s Ethernet, DWDM xxxx, SM 29 dB, 120 km, DDM

---

xxxx = CH17, CH18, CH19.....CH59, CH60, CH61

### **SFP 4,25 Gbit/s**

- Multirate 1Gbit/s til 4,25 Gbit/s
- Gigabit Ethernet, Fiber Channel, 2x Fiber Channel, 4x Fiber Channel
- Med støtte for DDM
- Kan leveres som 1-fiber variant (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- LC kontakt
- Kompatibel med SFP MSA og SFF-8472
- Temperatur område: 0°C-+70°C. Enheter med utvidet temperaturområde leveres på forespørsel

### **SFP 4250 Multimodus**

---

SFP-4250-MM85-550D	SFP 4,25 Gbit/s, 850 nm, MM 7 dB, 500/275 mtr, DDM
--------------------	--

---

### **SFP 4250 Singelmodus**

---

SFP-4250-SM31-005D	SFP 4,25 Gbit/s, 1310 nm, SM 12 dB, 5 km, DDM
SFP-4250-SM31-010D	SFP 4,25 Gbit/s, 1310 nm, SM 14 dB, 10 km, DDM
SFP-4250-SM31-040D	SFP 4,25 Gbit/s, 1310 nm, SM 19 dB, 40 km, DDM
SFP-4250-SM55-040D	SFP 4,25 Gbit/s, 1550 nm, SM 19 dB, 40 km, DDM

---

### **SFP 4250 Singelmodus 1-fiber (BiDi)**

SFP-4250D-SM5531-005D	SFP 4,25 Gbit/s, 1550Tx/1310Rx, SM 12 dB, 5 km, DDM
SFP-4250U-SM3155-005D	SFP 4,25 Gbit/s, 1310Tx/1550Rx, SM 12 dB, 5 km, DDM
SFP-4250D-SM5531-010D	SFP 4,25 Gbit/s, 1550Tx/1310Rx, SM 13 dB, 10 km, DDM
SFP-4250U-SM3155-010D	SFP 4,25 Gbit/s, 1310Tx/1550Rx, SM 13 dB, 10 km, DDM
SFP-4250D-SM5531-030D	SFP 4,25 Gbit/s, 1550Tx/1310Rx, SM 18 dB, 30 km, DDM
SFP-4250U-SM3155-030D	SFP 4,25 Gbit/s, 1310Tx/1550Rx, SM 18 dB, 30 km, DDM

### **SFP 4250 CWDM**

SFP-4250-CWDM-xxxx-020D	SFP 4,25 Gbit/s, CWDM xxxx nm, SM 18 dB, 20 km, DDM
SFP-4250-CWDM-xxxx-040D	SFP 4,25 Gbit/s, CWDM xxxx nm, SM 21 dB, 40 km, DDM

xxxx = 1271 ,1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

### **SFP+ 10 Gbit/s**

- 10.3125 Gbit/s
- Gigabit Ethernet eller 10 Gigabit Ethernet (Dual rate), 10G Fiber Channel
- Med støtte for DDM
- Kan leveres som 1-fiber variant (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- LC kontakt
- Kompatibel med SFP+ MSA, SFF-8431, SFF-8432 og SFF-8472
- Temperatur område: -5°C-+70°C

### **SFP+ Multimodus**

SFP+10G-MM85-300D	SFP+ 10 Gbit/s, 850 nm, MM 4 dB, 300 m, DDM
SFP+10G-MM31-220D <sup>1)</sup>	SFP+ 10 Gbit/s, 1310 nm, MM 3,5 dB, 220 m, DDM

<sup>1)</sup> = 220 m OM1 (62,5/125 fiber)

### **SFP+ Singelmodus**

SFP+10G-SM31-002D	SFP+ 10 Gbit/s, 1310 nm, SM 6,2 dB, 2 km, DDM
SFP+10G-SM31-010D	SFP+ 10 Gbit/s, 1310 nm, SM 9 dB, 10 km, DDM
SFP+10G-SM31-040D	SFP+ 10 Gbit/s, 1310 nm, SM 14,8 dB, 40 km, DDM
SFP+10G-SM55-040D	SFP+ 10 Gbit/s, 1550 nm, SM 14,8 dB, 40 km, DDM
SFP+10G-SM55-080D	SFP+ 10 Gbit/s, 1550 nm, SM 23 dB, 80 km, DDM

### **SFP+ Singelmodus 1-fiber (BiDi)**

SFP+10GD-SM3327-010D	SFP+ 10 Gbit/s, 1330Tx/1270Rx, SM 9 dB, 10 km, DDM
SFP+10GU-SM2733-010D	SFP+ 10 Gbit/s, 1270Tx/1330Rx, SM 9 dB, 10 km, DDM
SFP+10GD-SM3327-040D	SFP+ 10 Gbit/s, 1330Tx/1270Rx, SM 14 dB, 40 km, DDM
SFP+10GU-SM2733-040D	SFP+ 10 Gbit/s, 1270Tx/1330Rx, SM 14 dB, 40 km, DDM
SFP+10GD-SM3327-060D	SFP+ 10 Gbit/s, 1330Tx/1270Rx, SM 19 dB, 60 km, DDM
SFP+10GU-SM2733-060D	SFP+ 10 Gbit/s, 1270Tx/1330Rx, SM 19 dB, 60 km, DDM

### **SFP+ CWDM**

SFP+10G-CWDM-xxxx-010D <sup>1)</sup>	SFP+ 10 Gbit/s, CWDM xxxx nm, SM 9 dB, 10 km, DDM
SFP+10G-CWDM-xxxx-020D <sup>1)</sup>	SFP+ 10 Gbit/s, CWDM xxxx nm, SM 10 dB, 20 km, DDM
SFP+10G-CWDM-xxxx-040D <sup>2)</sup>	SFP+ 10 Gbit/s, CWDM xxxx nm, SM 14 dB, 40 km, DDM
SFP+10G-CWDM-xxxx-060D <sup>2)</sup>	SFP+ 10 Gbit/s, CWDM xxxx nm, SM 20 dB, 60 km, DDM
SFP+10G-CWDM-xxxx-080D <sup>3)</sup>	SFP+ 10 Gbit/s, CWDM xxxx nm, SM 23 dB, 80 km, DDM

<sup>1)</sup> xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451 nm

<sup>2)</sup> xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

<sup>3)</sup> xxxx = 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

### **SFP+ DWDM**

SFP+10GDWDM-xxxx-040D	SFP+ 10 Gbit/s, DWDM xxxx, SM 14, 8 dB, xxxx, 40 km, DDM
SFP+10GDWDM-xxxx-080D	SFP+ 10 Gbit/s, DWDM xxxx, SM 23 dB, xxxx, 80 km, DDM

xxxx = CH13, CH14, CH15.....CH59, CH60, CH61

### **XFP 10 Gbit/s**

- 10.3125 Gbit/s
- 10 Gigabit Ethernet, 10G Fiber Channel, SONET OC-192, SDH STM-64
- Med støtte for DDM
- Kan leveres som 1-fiber variant (BiDi)
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- LC kontakt
- Kompatibel med XFP MSA
- Temperatur område: 0°C-+70°C

### **XFP Multimodus**

XFP-10G-MM85-300D	XFP 10 Gbit/s, 850 nm, MM 4 dB, 300 m, DDM
-------------------	--

### **XFP Singelmodus**

XFP-10G-SM31-002D	XFP 10 Gbit/s, 1310 nm, SM 7 dB, 2 km, DDM
XFP-10G-SM31-010D	XFP 10 Gbit/s, 1310 nm, SM 9 dB, 10 km, DDM
XFP-10G-SM55-040D	XFP 10 Gbit/s, 1550 nm, SM 15,5 dB, 40 km, DDM
XFP-10G-SM55-080D	XFP 10 Gbit/s, 1550 nm, SM 24 dB, 80 km, DDM

### **XFP Singelmodus 1-fiber (BiDi)**

XFP-10GD-SM3327-010D	XFP 10 Gbit/s, 1330Tx/1270Rx, SM 10 dB, 10 km, DDM
XFP-10GU-SM2733-010D	XFP 10 Gbit/s, 1270Tx/1330Rx, SM 10 dB, 10 km, DDM
XFP-10GD-SM3327-040D	XFP 10 Gbit/s, 1330Tx/1270Rx, SM 15 dB, 40 km, DDM
XFP-10GU-SM2733-040D	XFP 10 Gbit/s, 1270Tx/1330Rx, SM 15 dB, 40 km, DDM
XFP-10GD-SM3327-060D	XFP 10 Gbit/s, 1330Tx/1270Rx, SM 22 dB, 60 km, DDM
XFP-10GU-SM2733-060D	XFP 10 Gbit/s, 1270Tx/1330Rx, SM 22 dB, 60 km, DDM

### **XFP CWDM**

XFP-10G-CWDM-xxxx-040D <sup>1)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 15,5 dB, 40 km, DDM
XFP-10G-CWDM-xxxx-060D <sup>1)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 20 dB, 60 km, DDM
XFP-10G-CWDM-xxxx-080D <sup>2)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 24 dB, 80 km, DDM

<sup>1)</sup> xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

<sup>2)</sup> xxxx = 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm



### **XFP DWDM**

XFP-10G-DWDM-xxxx-040D	XFP 10 Gbit/s, DWDM xxxx, SM 16,5 dB, 40 km, DDM
XFP-10G-DWDM-xxxx-080D	XFP 10 Gbit/s, DWDM xxxx, SM 24 dB, 80 km, DDM

xxxx = CH13, CH14, CH15.....CH59, CH60, CH61

### **XFP DWDM Tunable**

XFP-10G-DWDM-T82-080D	XFP 10 Gbit/s, Tunable DWDM 82 kanals, SM 22 dB, 80 km, DDM
XFP-10G-DWDM-T88-080D	XFP 10 Gbit/s, Tunable DWDM 88 kanals, SM 22 dB, 80 km, DDM

### **XENPAK 10 Gbit/s**

- Inntil 10.3125 Gbit/s
- 10 Gigabit Ethernet
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- Duplex SC kontakt
- Med støtte for DOM
- Kompatibel med XENPAK MSA
- Temperatur område: 0°C-+70°C

### **XENPAK Multimodus**

XEN-10G-MM85-300D	XENPAK 10 Gbit/s, 850 nm, MM 4 dB, 300 m, DOM
-------------------	---

### **XENPAK Singelmodus**

XEN-10G-SM31-010D	XENPAK 10 Gbit/s, 1310 nm, SM 9 dB, 10 km, DOM
XEN-10G-SM31-020D	XENPAK 10 Gbit/s, 1310 nm, SM 10 dB, 20 km, DOM
XEN-10G-SM55-040D	XENPAK 10 Gbit/s, 1550 nm, SM 15,5 dB, 40 km, DOM
XEN-10G-SM55-080D	XENPAK 10 Gbit/s, 1550 nm, SM 24 dB, 80 km, DOM

### **XENPAK CWDM**

XEN-10G-CWDM-xxxx-010D <sup>1)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 9 dB, 10 km, DOM
XEN-10G-CWDM-xxxx-040D <sup>2)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 15,5 dB, 40 km, DOM
XEN-10G-CWDM-xxxx-080D <sup>2)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 24 dB, 80 km, DOM

<sup>1)</sup> xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451 nm

<sup>2)</sup> xxxx = 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

### **XENPAK DWDM**

XEN-10GDWDM-xxxx-040D	XFP 10 Gbit/s, DWDM xxxx, SM 15,5 dB, 40 km, DOM
XEN-10GDWDM-xxxx-080D	XFP 10 Gbit/s, DWDM xxxx, SM 24 dB, 80 km, DOM

xxxx = CH17, CH18, CH19.....CH59, CH60, CH61

### **XENPAK til SFP+ konverter**

XEN-SFP+MM85-300D	XENPAK til SFP+ MM konverter, 850 nm, 4 dB, 300 m
XEN-SFP+SM31-002D	XENPAK til SFP+ SM konverter, 1310 nm, 6,2 dB, 2 km
XEN-SFP+SM31-010D	XENPAK til SFP+ SM konverter, 1310 nm, 8 dB, 10 km
XEN-SFP+SM31-040D	XENPAK til SFP+ SM konverter, 1310 nm, 14,8 dB, 40 km
XEN-SFP+SM55-040D	XENPAK til SFP+ SM konverter, 1550 nm, 14,8 dB, 40 km
XEN-SFP+SM55-080D	XENPAK til SFP+ SM konverter, 1550 nm, 23 dB, 80 km

## **X2 10 Gbit/s**

- Inntil 10.3125 Gbit/s
- 10 Gigabit Ethernet
- For ukodede og Cisco kodede switcher. Enheter med annen koding leveres på forespørsel
- Duplex SC kontakt
- Med støtte for DOM
- Kompatibel med X2 MSA
- Temperatur område: 0°C-+70°C

## **X2 Multimodus**

---

X2-10G-MM85-300D	X2 10 Gbit/s, 850 nm, MM 4 dB, 300 m, DOM
------------------	---

---

## **X2 Singelmodus**

---

X2-10G-SM31-010D	X2 10 Gbit/s, 1310 nm, SM 9 dB, 10 km, DOM
X2-10G-SM55-040D	X2 10 Gbit/s, 1550 nm, SM 15,5 dB, 40 km, DOM
X2-10G-SM55-080D	X2 10 Gbit/s, 1550 nm, SM 24 dB, 80 km, DOM

---

## **X2 Singelmodus 1-fiber (BiDi)**

---

X2-10GD-SM3327-010D	X2 10 Gbit/s, 1330Tx/1270Rx, SM 9 dB, 10 km, DOM
X2-10GU-SM2733-010D	X2 10 Gbit/s, 1270Tx/1330Rx, SM 9 dB, 10 km, DOM
X2-10GD-SM3327-040D	X2 10 Gbit/s, 1330Tx/1270Rx, SM 13 dB, 40 km, DOM
X2-10GU-SM2733-040D	X2 10 Gbit/s, 1270Tx/1330Rx, SM 13 dB, 40 km, DOM

---

## **X2 CWDM**

---

X2-10G-CWDM-xxxx-010D <sup>1)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 9 dB, 10 km, DOM
X2-10G-CWDM-xxxx-040D <sup>2)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 15,5 dB, 40 km, DOM
X2-10G-CWDM-xxxx-080D <sup>2)</sup>	XFP 10 Gbit/s, CWDM xxxx nm, SM 24 dB, 80 km, DOM

---

<sup>1)</sup> xxxx = 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451 nm

<sup>2)</sup> xxxx = 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm

## **X2 DWDM**

---

X2-10GDWDM-xxxx-040D	XFP 10 Gbit/s, DWDM xxxx, SM 15,5 dB, 40 km, DOM
X2-10GDWDM-xxxx-080D	XFP 10 Gbit/s, DWDM xxxx, SM 24 dB, 80 km, DOM

---

xxxx = CH17, CH18, CH19.....CH59, CH60, CH61

## **X2 til SFP+ konverter**

---

X2-SFP+MM85-300D	X2 til SFP+ MM konverter, 850 nm, 4 dB, 300 m
X2-SFP+SM31-002D	X2 til SFP+ SM konverter, 1310 nm, 6,2 dB, 2 km
X2-SFP+SM31-010D	X2 til SFP+ SM konverter, 1310 nm, 9 dB, 10 km
X2-SFP+SM31-040D	X2 til SFP+ SM konverter, 1310 nm, 14,8 dB, 40 km
X2-SFP+SM55-040D	X2 til SFP+ SM konverter, 1550 nm, 14,8 dB, 40 km
X2-SFP+SM55-080D	X2 til SFP+ SM konverter, 1550 nm, 23 dB, 80 km

---