

## FEATURES

- Supports 9.95 to 11.3Gb/s and hot-pluggable SFP footprint
- Simple/Duplex LC Interface
- Built-in digital diagnostic monitoring functions
- Metal housing for superior EMI Performance
- Compliant with IEEE 80.3ae (10GBASE-SR/SW, 10GBASE-LR/LW, 10GBASE-ER/EW and 10GBASE-ZR/ZW).
- Compliant with SFP+ MSA specification
- Electronic Interface compliant with SFF-8431 and SFF-8432
- Digital diagnostic monitor function compatible with SFF-8472
- ROHS6 and REACH compliant



## SPECIFICATIONS

P.N	Type	Data Rate	Wav. (nm)	Link Budget	Inter-face	Tx.	Power (dBm)	Rx.	Sen. (dBm)	Temp.
<b>Duplex SFP+</b>										
AXMPP8510GL-03D	Duplex	10G	850	300m	LC	VCSEL	-7 ~ -1	PIN	<-11	0~70°C
AXSPP3110GL-2D			1310	2km	LC	FP	-6.5 ~ -1	PIN	<-11	0~70°C
AXSPP3110GL-20D			1310	20km	LC	DFB	-6.5 ~ -1	PIN	<-15	0~70°C
AXSPP5510GL-40D			1550	40km	LC	EML	-1 ~ +4	PIN	<-16	0~70°C
AXSPP5510GL-80D			1550	80km	LC	EML	0 ~ +5	APD	<-23	0~70°C
<b>BIDI WDM SFP+</b>										
AXBPP3710GL-10D	BIDI	10G	1330(TX) 1270 (RX)	20km	LC	DFB	-5 ~ 0	PIN	<-15	0~70°C
AXBPP7310GL-10D			1270 (TX) 1330 (RX)	20km	LC	DFB	-5 ~ 0	PIN	<-15	0~70°C
AXBPP3710GL-40D			1330(TX) 1270 (RX)	40km	LC	DFB	-1 ~ +4	PIN	<-15	0~70°C
AXBPP7310GL-40D			1270 (TX) 1330 (RX)	40km	LC	DFB	-1 ~ +4	PIN	<-15	0~70°C
AXBPP3710GL-60D			1330(TX) 1270 (RX)	60km	LC	DFB	-1 ~ +4	PIN	<-15	0~70°C
AXBPP7310GL-60D			1270 (TX) 1330 (RX)	60km	LC	DFB	-1 ~ +4	PIN	<-15	0~70°C
<b>CWDM SFP+</b>										
AXCPPXX10GL-20D	CWDM	10G	1270-1450	20km	LC	DFB	-6.5 ~ -1	PIN	<-15	0~70°C
AXCPPXX10GL-40D			1470-1610	40km	LC	EML	-1 ~ +4	PIN	<-16	0~70°C
AXCPPXX10GL-80D			1470-1610	80km	LC	EML	0 ~ +5	APD	<-23	0~70°C
<b>DWDM SFP+</b>										
AXDPPXX10GL-40D	DWDM	10G	ITU-GRID C17-C61	40km	LC	EML	-1 ~ +4	PIN	<-16	0~70°C
AXDPPXX10GL-80D				80km	LC	EML	0 ~ +5	APD	<-23	0~70°C
<b>Copper SFP+</b>										
AXCOPT10G-RJ	Copper	100/ 1000M/ 10G	-	30m	RJ45	-	-	-	-	-

Note : Specifications are subject to change without notice

### DWDM ITU Channels Overview

ITU Grid Channels (100 GHz Spacing)					
Channel	Frequency (GHz)	Wavelength (nm)	Channel	Frequency (GHz)	Wavelength (nm)
1	190,100	1577.03	38	193,800	1546.92
2	190,200	1576.20	39	193,900	1546.12
3	190,300	1575.37	40	194,000	1545.32
4	190,400	1574.54	41	194,100	1544.53
5	190,500	1573.71	42	194,200	1543.73
6	190,600	1572.89	43	194,300	1542.94
7	190,700	1572.06	44	194,400	1542.14
8	190,800	1571.24	45	194,500	1541.35
9	190,900	1570.42	46	194,600	1540.56
10	191,000	1569.59	47	194,700	1539.77
11	191,100	1568.77	48	194,800	1538.98
12	191,200	1567.95	49	194,900	1538.19
13	191,300	1567.13	50	195,000	1537.40
14	191,400	1566.31	51	195,100	1536.61
15	191,500	1565.50	52	195,200	1535.82
16	191,600	1564.68	53	195,300	1535.04
17	191,700	1563.86	54	195,400	1534.25
18	191,800	1563.05	55	195,500	1533.47
19	191,900	1562.23	56	195,600	1532.68
20	192,000	1561.42	57	195,700	1531.90
21	192,100	1560.61	58	195,800	1531.12
22	192,200	1559.79	59	195,900	1530.33
23	192,300	1558.98	60	196,000	1529.55
24	192,400	1558.17	61	196,100	1528.77
25	192,500	1557.36	62	196,200	1527.99
26	192,600	1556.55	63	196,300	1527.22
27	192,700	1555.75	64	196,400	1526.44
28	192,800	1554.94	65	196,500	1525.66
29	192,900	1554.13	66	196,600	1524.89
30	193,000	1553.33	67	196,700	1524.11
31	193,100	1552.52	68	196,800	1523.34
32	193,200	1551.72	69	196,900	1522.56
33	193,300	1550.92	70	197,000	1521.79
34	193,400	1550.12	71	197,100	1521.02
35	193,500	1549.32	72	197,200	1520.25
36	193,600	1548.51	73	197,300	1519.48
37	193,700	1547.72			

Note : Specifications are subject to change without notice

### WDM ITU Channels Overview

ITU Channel No.	Wavelength (nm)
27	1270
29	1290
31	1310
33	1330
35	1350
37	1370
39	1390
41	1410
43	1430
45	1450
47	1470
49	1490
51	1510
53	1530
55	1550
57	1570
59	1590
61	1610

### ORDERING INFORMATION

AX	Type	Package	Wav. (TX/RX)	Data Rate	Interface	Distance	Temp.*
AX	B=BIDI	PP=SFP+	85=850	10G=9.95-11.7G	L=LC	03=300M	I = -40 ~ +85°C
	C=CWDM	XP=XFP	31=1310			2=2KM	
	D=DWDM		55=1550			10=10KM	
	M=MM Duplex		37=1330/1270			20=20KM	
	S=SM Duplex		73=1270/1330			40=40KM	
			xx = 1270-1610 (CWDM)			80=80KM	
			xx = C17-C61 (DWDM)				

**Notes:**

1. All default 10G Modules support DOM/DDM Function
2. If Temp. item is empty, it means it works under 0 ~ +70°C
3. Please specify if it is required for other network system compatible issue (e.g. HUAWEI, MARCONI, CISCO, Ericsson, ZTE etc)