

# SFP (Mini-GBIC)

**DDM SFP** All SFP part no. with D are with Diagnostic function

## SFP 10Gbps

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
8330-193	850nm	VCSEL	AC/AC	TTL	Multi-mode	300m	-10~70°C
8330-194	1310nm	DFB	AC/AC	TTL	Single-mode	10km	-10~70°C
8330-200	1270nm	DFB	AC/AC	TTL	Single-mode	20km	-10~70°C
8330-201	1330nm	DFB	AC/AC	TTL	Single-mode	20km	-10~70°C
8330-202	1270nm	DFB	AC/AC	TTL	Single-mode	40km	-10~70°C
8330-203	1330nm	DFB	AC/AC	TTL	Single-mode	40km	-10~70°C
8330-193-E	850nm	VCSEL	AC/AC	TTL	Multi-mode	300m	-40~85°C
8330-194-E	1310nm	DFB	AC/AC	TTL	Single-mode	10km	-40~85°C
8330-200-E	1270nm	DFB	AC/AC	TTL	Single-mode	20km	-40~85°C
8330-201-E	1330nm	DFB	AC/AC	TTL	Single-mode	20km	-40~85°C
8330-202-E	1270nm	DFB	AC/AC	TTL	Single-mode	40km	-40~85°C
8330-203-E	1330nm	DFB	AC/AC	TTL	Single-mode	40km	-40~85°C

## SFP 2.5Gbps

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
8330-262	850 nm	VCSEL	AC/AC	TTL	Multi-mode	300m	-10~70°C
8330-263	1310 nm	FP	AC/AC	TTL	Single-mode	2km	-10~70°C
8330-265	1310 nm	DFB	AC/AC	TTL	Single-mode	15km	-10~70°C
8330-262-E	850 nm	VCSEL	AC/AC	TTL	Multi-mode	300m	-40~85°C
8330-263-E	1310 nm	FP	AC/AC	TTL	Single-mode	2km	-40~85°C
8330-265-E	1310 nm	DFB	AC/AC	TTL	Single-mode	15km	-40~85°C

## SFP 1.25Gbps

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
8330-162	850 nm	VCSEL	AC/AC	TTL	Multi-mode	550m	-10~70°C
8330-163	1310 nm	FP	AC/AC	TTL	Multi-mode	2km	-10~70°C
8330-165	1310 nm	FP	AC/AC	TTL	Single-mode	10km	-10~70°C
8340-0591	1310 nm	DFB	AC/AC	TTL	Single-mode	40km	-10~70°C
8330-166	1550 nm	DFB	AC/AC	TTL	Single-mode	50km	-10~70°C
8330-169	1550 nm	DFB	AC/AC	TTL	Single-mode	60km	-10~70°C
8330-167	1550 nm	DFB	AC/AC	TTL	Single-mode	80km	-10~70°C
8330-170	1550 nm	DFB	AC/AC	TTL	Single-mode	120km	-10~70°C
8330-162-E	850 nm	VCSEL	AC/AC	TTL	Multi-mode	550m	-40~85°C
8330-163-E	1310 nm	FP	AC/AC	TTL	Multi-mode	2km	-40~85°C
8330-165-E	1310 nm	FP	AC/AC	TTL	Single-mode	10km	-40~85°C
8340-0591-E	1310 nm	DFB	AC/AC	TTL	Single-mode	40km	-40~85°C
8330-166-E	1550 nm	DFB	AC/AC	TTL	Single-mode	50km	-40~85°C
8330-169-E	1550 nm	DFB	AC/AC	TTL	Single-mode	60km	-40~85°C
8330-167-E	1550 nm	DFB	AC/AC	TTL	Single-mode	80km	-40~85°C
8330-170-E	1550 nm	DFB	AC/AC	TTL	Single-mode	120km	-40~85°C

## SFP 125Mbps

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
8330-060	1310nm	FP	AC/AC	TTL	Multi-mode	2km	-10~70°C
8330-065	1310nm	FP	AC/AC	TTL	Multi-mode	5km	-10~70°C
8330-061	1310nm	FP	AC/AC	TTL	Single-mode	30km	-10~70°C
8330-060-E	1310nm	FP	AC/AC	TTL	Multi-mode	2km	-40~85°C
8330-065-E	1310nm	FP	AC/AC	TTL	Multi-mode	5km	-40~85°C
8330-061-E	1310nm	FP	AC/AC	TTL	Single-mode	30km	-40~85°C

## SFP 1000T

Part Number	Description
8330-168	10/100/1000Base-T, SFP, 100m, 3.3V, -10~70°C
8330-168-E	10/100/1000Base-T, SFP, 100m, 3.3V, -40~85°C

## 125Mbps/1.25Gbps Dual-rate

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
8330-191	1310nm	FP	AC/AC	TTL	Single-mode	10km	-10~70°C
8330-191-E	1310nm	FP	AC/AC	TTL	Single-mode	10km	-40~85°C

## BiDi SFP 1.25Gbps

Part Number	TX	LD	RX	IO	LOS	Link	Temp.
8330-197	1310nm	FP	1550nm	AC/AC	TTL	0.5km	-10~70°C
8330-195	1310nm	FP	1550nm	AC/AC	TTL	2km	-10~70°C
8330-188	1310nm	FP	1550nm	AC/AC	TTL	10km	-10~70°C
8330-186	1310nm	FP	1550nm	AC/AC	TTL	20km	-10~70°C
8330-180	1310nm	DFB	1550nm	AC/AC	TTL	40km	-10~70°C
8330-181	1310nm	DFB	1550nm	AC/AC	TTL	60km	-10~70°C
8330-184	1490nm	DFB	1550nm	AC/AC	TTL	80km	-10~70°C
8330-197-E	1310nm	FP	1550nm	AC/AC	TTL	0.5km	-40~85°C
8330-195-E	1310nm	FP	1550nm	AC/AC	TTL	2km	-40~85°C
8330-188-E	1310nm	FP	1550nm	AC/AC	TTL	10km	-40~85°C
8330-186-E	1310nm	FP	1550nm	AC/AC	TTL	20km	-40~85°C
8330-180-E	1310nm	DFB	1550nm	AC/AC	TTL	40km	-40~85°C
8330-181-E	1310nm	DFB	1550nm	AC/AC	TTL	60km	-40~85°C
8330-184-E	1490nm	DFB	1550nm	AC/AC	TTL	80km	-40~85°C
8330-198	1550nm	FP	1310nm	AC/AC	TTL	0.5km	-10~70°C
8330-196	1550nm	FP	1310nm	AC/AC	TTL	2km	-10~70°C
8330-189	1550nm	DFB	1310nm	AC/AC	TTL	10km	-10~70°C
8330-187	1550nm	DFB	1310nm	AC/AC	TTL	20km	-10~70°C
8330-182	1550nm	DFB	1310nm	AC/AC	TTL	40km	-10~70°C
8330-183	1550nm	DFB	1310nm	AC/AC	TTL	60km	-10~70°C
8330-185	1550nm	DFB	1490nm	AC/AC	TTL	80km	-10~70°C
8330-198-E	1550nm	FP	1310nm	AC/AC	TTL	0.5km	-40~85°C
8330-196-E	1550nm	FP	1310nm	AC/AC	TTL	2km	-40~85°C
8330-189-E	1550nm	DFB	1310nm	AC/AC	TTL	10km	-40~85°C
8330-187-E	1550nm	DFB	1310nm	AC/AC	TTL	20km	-40~85°C
8330-182-E	1550nm	DFB	1310nm	AC/AC	TTL	40km	-40~85°C
8330-183-E	1550nm	DFB	1310nm	AC/AC	TTL	60km	-40~85°C
8330-185-E	1550nm	DFB	1490nm	AC/AC	TTL	80km	-40~85°C

## BiDi SFP 125Mbps

Part Number	TX	LD	RX	IO	LOS	Link	Temp.
8330-071	1310nm	FP	1550nm	AC/AC	TTL	2km	-10~70°C
8330-069	1310nm	FP	1550nm	AC/AC	TTL	20km	-10~70°C
8330-080	1310nm	FP	1550nm	AC/AC	TTL	40km	-10~70°C
8330-081	1310nm	FP	1550nm	AC/AC	TTL	60km	-10~70°C
8330-084	1310nm	FP	1550nm	AC/AC	TTL	80km	-10~70°C
8330-071-E	1310nm	FP	1550nm	AC/AC	TTL	2km	-40~85°C
8330-069-E	1310nm	FP	1550nm	AC/AC	TTL	20km	-40~85°C
8330-080-E	1310nm	FP	1550nm	AC/AC	TTL	40km	-40~85°C
8330-081-E	1310nm	FP	1550nm	AC/AC	TTL	60km	-40~85°C
8330-084-E	1310nm	FP	1550nm	AC/AC	TTL	80km	-40~85°C
8330-072	1550nm	FP	1310nm	AC/AC	TTL	2km	-10~70°C
8330-068	1550nm	FP	1310nm	AC/AC	TTL	20km	-10~70°C
8330-082	1550nm	DFB	1310nm	AC/AC	TTL	40km	-10~70°C
8330-083	1550nm	DFB	1310nm	AC/AC	TTL	60km	-10~70°C
8330-085	1550nm	DFB	1310nm	AC/AC	TTL	80km	-10~70°C
8330-072-E	1550nm	FP	1310nm	AC/AC	TTL	2km	-40~85°C
8330-068-E	1550nm	FP	1310nm	AC/AC	TTL	20km	-40~85°C
8330-082-E	1550nm	DFB	1310nm	AC/AC	TTL	40km	-40~85°C
8330-083-E	1550nm	DFB	1310nm	AC/AC	TTL	60km	-40~85°C
8330-085-E	1550nm	DFB	1310nm	AC/AC	TTL	80km	-40~85°C



# Power Supply



Model	O/P voltage Adjustment	Loading (A)			Ripple Noise	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
		Min.	Rated	Max.					
AD1024-24F	+24VDC±10%	0A	1A	1A	150mVp-p	±1%	±1%	83%	40VDC Max
AD1024-24F-E	+24VDC±10%	0A	1A	1A	150mVp-p	±1%	±1%	83%	40VDC Max
AD1048-24F	+24VDC±10%	0A	2A	2A	150mVp-p	±1%	±1%	83%	27~30VDC Max
AD1048-24F-E	+24VDC±10%	0A	2A	2A	150mVp-p	±1%	±1%	83%	27~30VDC Max
AD1048-24FS	+24VDC±10%	0A	2A	2A	150mVp-p	±1%	±1%	83%	40VDC Max
AD1048-24FS-E	+24VDC±10%	0A	2A	2A	150mVp-p	±1%	±1%	83%	40VDC Max
AD1048-48F	+48VDC±10%	0A	1A	1A	250mVp-p	±1%	±1%	83%	52~57VDC Max
AD1048-48FS	+48VDC±10%	0A	1A	1A	250mVp-p	±1%	±1%	83%	60VDC Max
AD1072-24F	+24VDC±10%	0A	3A	3A	150mVp-p	±1%	±1%	81%	27~30VDC Max
AD1072-48F	+48VDC±10%	0A	1.5A	1.5A	250mVp-p	±1%	±1%	82%	52~56VDC Max
AD1120-24F	+24VDC±10%	0A	5A	5A	150mVp-p	±1%	±1%	81%	27~30VDC Max
AD1120-48F	+48VDC±10%	0A	2.5A	2.5A	550mVp-p	±1%	±1%	83%	52~56VDC Max
AD1240-24S	+24VDC±10%	0A	10A	10A	150mVp-p	±1%	±1%	83%	27~30VDC Max
AD1240-48S	+48VDC±10%	0A	5A	5A	250mVp-p	±1%	±1%	84%	52~56VDC Max
AD1360-24S	+24VDC±10%	0A	15A	15A	150mVp-p	±1%	±2%	82%	40VDC Max
AD1360-48S	+48VDC±10%	0A	7.5A	7.5A	250mVp-p	±1%	±2%	83%	52~56VDC Max
AD1500-24S	+24VDC±10%	0A	21A	21A	150mVp-p	±1%	±2%	84%	27~30VDC Max
AD1500-48S	+48VDC±10%	0A	10.5A	10.5A	250mVp-p	±1%	±2%	85%	52~56VDC Max

Note: 1. Each output can supply up to maximum current, but total loading cannot exceed rated output wattage.  
 2. Line regulation is measured from low line to high line at rated load.  
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.  
 4. Ripple & Noise is measured by using a 0.1uF/630V metallized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.  
 5. Efficiency is measured at rated load and 110VAC input.  
 6. Standard Operating Temperature: -20°C ~ 50°C / ambient, derating each output at 2.5% per degree from 50°C ~ 70°C  
 7. Wide Operating Temperature (-E model): -40°C\* ~ 75°C / ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 18 Watts at 75°C  
 \*Note: Starting time of -E model is 1.5 to 2 seconds at -40°C

# N-Key

The configuration file of Lantech industrial managed switches can be exported in text file so that it can be edited and configured back to router with ease for mass deployment. The optional N-key RJ45 configurator offers firmware upgrade, auto backup/ editable configuration restore without computer by adjusting the DIP switch.



# Cable / Connector / Bracket

## M23/M12 Accessories

Part Number	Type	Pin Number	Plug/IP-rated	Gender
ECON120005PF	Power Connector	5	M12	Female
ECONM12-08M-CAT5E3	GigaT RJ45 Cable (3M)	8	M12	Female
ECAB124030MJ	10/100TX RJ45 Cable (3M)	4	M12	Male
ECAB124030MJS	10/100TX RJ45 STP Cable (3M)	4	M12	Male
ECONM12-05M2-02-CONSOLE	Console Cable (3M)	5	M12	Male
ECONM12-5P(F)70CM CABLE	90° Power Cable (70cm)	5	M12	Female
ECONM23-5P(F)70CM CABLE	90° Power Cable (70cm)	5	M23	Female
ECONM23-5P(F)6M CABLE	90° Power Cable (6m)	5	M23	Female
ECONM23-5P(F)8.5M CABLE	90° Power Cable (8.5m)	5	M23	Female

Wall-mount Bracket  
MBAK19003



19 inch Bracket  
MBAK19004



L Bracket  
MBAK19002



Side DIN Rail Mounted Fin  
MBAK19006/19007



Part Number	Description
MBAK19002	L-Bracket that can change 90 degree of DIN rail mounting
MBAK19003	Wall mount bracket for 74 (W) x 105 (D) x 152 (H) mm / 74 (W) x 135 (D) x 152 (H) / 96 (W) x 105 (D) x 152 (H) mm Industrial switches
MBAK19004	19" Rack Mounting Kit for 74 (W) x 105 (D) x 152 (H) mm / 74 (W) x 1