



10 Gigabit Ethernet Series | Copper to Fiber Optic Transceivers | Extended Temperature



10 Gigabit Ethernet Series				
Part Number	LM28-H3S-TI-N	LS38-H3S-TI-N-EX	LS48-H3L-TI-N	LS48-H3U-TI-N
Data Rate (Mbps)	10000	10000	10000	10000
Wavelength (nm)	850	1310	1550	1550
Light Source	VCSEL	FP	EML	EML
Media Type	Multi-Mode	Single-Mode	Single-Mode	Single-Mode
Tx Power (dBm)	- 7.1 ~ - 1 @50/125 or 62.5/125µm fiber	0.5 ~ -6	-4.7 ~ 4	0 ~ 4
Rx Sensitivity (dBm)	-9.9 Max	-14.4 Max	-15.8 Max	-23 Max
Linkbudget (dBm)	2.8	8.4	11.1	23
Saturation (dBm)	-1	0.5	4	4
Distance	33m (OM1 Fiber) 82m (OM2 Fiber) 300m (OM3 Fiber)	10km	40km	80km
Operating Temperature	-10°C~85°C (14°F~185°F)	-40°C~85°C (-40°F~185°F)	-40°C~85°C (-40°F~185°F)	-40°C~85°C (-40°F~185°F)
Safety	UL/TUV	UL/TUV	UL/TUV	UL/TUV

Copper to Fiber Optic Transceivers		
Part Number	ASFPT-T3-I	ASFPT-T1-I
Data Rate (Mbps)	10/100/1000 (Auto-neg.)	1000
Interface	SGMII	
Power Supply	3.3V	3.3V
Lan Cable Category	Over Cat5	Over Cat5
Operating Temp.	-40°C~85°C (-40°F~185°F)	-40°C~85°C (-40°F~185°F)
Safety	UL/TUV	UL/TUV