

	CWDM4	4WDM-10	4WDM-20	4WDM-40	LR4
Part Number	EOLQ-161HG-02-SI1	EOLQ-161HG-10-SI1	EOLQ-161HG-20-LI	EOLQ-161HG-40-L7E	EOLQ-161HG-10-LBI
Latch color	Green	Purple	Brown	Tangerine	Blue
Temperature	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-20 to +85°C
Laser Type	DML	DML	DML	EML	DML
Distance	2km	10km	20km	40km	10km
Wavelength	CWDM	CWDM	LANWDM	LANWDM	LANWDM
Power Consumption (max)	4.5W	4.5W	4.8W	5.5W	4.8W
100G Ethernet without FEC					✓
100G Ethernet with FEC	✓	✓	✓	✓	
100G OTU4 with FEC					✓

Specification 100GE without FEC

Unit	BER < 1e-12	
	min	max
Signalling rate	25.78125	
P _{out} total		10.5
P _{out} each lane	-4.3	4.5
OMA each lane	-1.3	4.5
OMA - TDP	-2.3	
Extinction ratio	4	
Transmitter & dispersion penalty (TDP)		2.2
Damage threshold	4.5	
P _{in} each lane (Average)	-10.6	4.5
P _{in} each lane (OMA)		4.5
R _x Sens each lane (OMA)		-8.6
Stressed Rx Sens each lane (OMA)		-6.8

Specification 100GE with FEC

	Unit	Pre-FEC BER < 5e-5		Pre-FEC BER < 5e-5		Pre-FEC BER < 5e-5		Pre-FEC BER < 5e-5	
		min	max	min	max	min	max	min	max
Signalling rate	Gbps	25.78125		25.78125		25.78125		25.78125	
P _{out} total	dBm		8.5		8.5		10.5		12.5
P _{out} each lane	dBm	-6.5	2.5	-6.5	2.5	-4.3	4.5	-2.5	6.5
OMA each lane	dBm	-4	2.5	-4	2.5	-1.3	4.5	0.5	6.5
OMA - TDP	dBm	-5		-5		-2.3		-0.5	
Extinction ratio	dB	3.5		3.5		4		4.5	
Transmitter & dispersion penalty (TDP)	dB		3		3		2.8		3
Damage threshold	dBm	3.5		3.5		5.5		-2.5	
P _{in} each lane (Average)	dBm	-11.5	2.5	-13	2.5	-14.5	4.5	-20.5	-3.5
P _{in} each lane (OMA)	dBm		2.5		2.5		4.5		-3.5
Rx Sens each lane (OMA)	dBm		-10		-11.5		-12.5		-18.5
Stressed R _x Sens each lane (OMA)	dBm		-7.3		-8.6		-10		-16

Specification OTU4 with FEC

	Unit	Pre-FEC BER < 1e-6	
		min	max
Signalling rate	Gbps	27.95	
P _{out} total	dBm		10
P _{out} each lane	dBm	-0.6	4
Extinction ratio	dB	4	6.5
Transmitter & dispersion penalty (TDP)	dB		
Damage threshold	dBm	4.5	
P _{in} each lane (Average)	dBm		-8.4
Optical Path Penalty	dBm		1.5
Equivalent Receiver Sensitivity	dBm		-11.6