

TECHNICAL SPECIFICATIONS

OMNISWITCH 6860 BASIC MODELS

PRODUCT MATRIX	OS6860-24	OS6860-48	OS6860-P24	OS6860-P48
Gigabit port count	24	48	24 (PoE)	48 (PoE)
1G/10G SFP+	4	4	4	4
20G QSFP+ VFL ports	2	2	2	2
USB port	1	1	1	1
Out-of-band EMP port	0	0	0	0
RS-232 port	1	1	1	1
Console port	1	1	1	1
Primary slide-in PSU slot	1	1	1	1
Backup slide-in PSU slot	1	1	1	1
Fans	0	0	1	1
File system flash	2 GB	2 GB	2 GB	2 GB
RAM	2 GB	2 GB	2 GB	2 GB
Switching capacity	106 Gb/s	130 Gb/s	106 Gb/s	130 Gb/s
Throughput (at 64-byte packet)	154.9 Mpps	190.6 Mpps	154.9 Mpps	190.6 Mpps
Power consumption (idle)**	35.6 W	41.7 W	61.9 W	70.8 W
Power consumption (full load)**	45.6 W	57.2 W	477 W	900 W
Heat dissipation**	121.5 BTU/h	142.3 BTU/h	211.2 BTU/h	241.6 BTU/h
MTBF with one AC power supply	408,614 h	385,181 h	133,391 h	127,594 h
Height	4.4 cm (1.73 in)	4.4 cm (1.73 in)	4.4 cm (1.73 in)	4.4 cm (1.73 in)
Width	44 cm (17.33 in)	44 cm (17.33 in)	44 cm (17.33 in)	44 cm (17.33 in)
Depth	35 cm (13.78 in)	35 cm (13.78 in)	35 cm (13.78 in)	35 cm (13.78 in)
Weight (chassis and fan)	4.45 kg (9.8 lb)	4.67 kg (10.3 lb)	4.58 kg (10.1 lb)	4.90 kg (10.8 lb)
Weight (fully populated)***	5.17 kg (11.4 lb)	5.40 kg (11.9 lb)	6.03 kg (13.3 lb)	6.35 kg (14.0 lb)
Altitude	13,000 ft	13,000 ft	13,000 ft	13,000 ft
Operating temperature	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)
Humidity (operating)	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing

OMNISWITCH 6860 ENHANCED MODELS

PRODUCT MATRIX	OS6860E-24	OS6860E-48	OS6860E-P24	OS6860E-P48	OS6860E-U28
Gigabit port count	24	48	24 (PoE)	48 (PoE)	48
1G/10G SFP+	4	4	4	4	4
20G QSFP+ VFL ports	2	2	2	2	2
USB port	1	1	1	1	1
Out-of-band EMP port	1	1	1	1	1
RS-232 port	1	1	1	1	1
Console port	1	1	1	1	1
Primary slide-in PSU slot	1	1	1	1	1
Backup slide-in PSU slot	1	1	1	1	1
Fans	0	0	1	1	0
File system flash	2 GB	2 GB	2 GB	2 GB	2 GB
RAM	2 GB	2 GB	2 GB	2 GB	2 GB
Switching capacity	106 Gb/s	130 Gb/s	106 Gb/s	130 Gb/s	110 Gb/s
Throughput (at 64-byte packet)	154.9 Mpps	190.6 Mpps	154.9 Mpps	190.6 Mpps	160.9 Mpps
Power consumption (idle)**	38.9 W	44.1 W	65.0 W	72.9 W	70.1 W
Power consumption (full load)**	48.0 W	60.0 W	480 W	904 W	72.2 W
Heat dissipation (idle)**	132.7 BTU/h	150.5 BTU/h	221.8 BTU/h	248.7 BTU/h	239.2 BTU/h
MTBF with AC power supply	353,806 h	336,101 h	126,601 h	121,442 h	292,509 h
Height	4.4 cm (1.73 in)	4.4 cm (1.73 in)	4.4 cm (1.73 in)	4.4 cm (1.73 in)	4.4 cm (1.73 in)
Width	44 cm (17.33 in)	44 cm (17.33 in)	44 cm (17.33 in)	44 cm (17.33 in)	44 cm (17.33 in)
Depth	35 cm (13.78 in)	35 cm (13.78 in)	35 cm (13.78 in)	35 cm (13.78 in)	35 cm (13.78 in)
Weight (chassis and fan)	4.58 kg (10.1 lb)	4.81 kg (10.6 lb)	4.81 kg (10.6 lb)	5.03 kg (11.1 lb)	4.58 kg (10.1 lb)
Weight (fully populated)***	5.26 kg (11.6 lb)	5.49 kg (12.1 lb)	6.26 kg (13.8 lb)	6.49 kg (14.3 lb)	5.26 kg (11.6 lb)
Altitude	13,000 ft	13,000 ft	13,000 ft	13,000 ft	
Operating temperature	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)