

# Specifications

Attribute	NetEngine08E-S6/S6E/S9	NetEngine05E-S2	NetEngine05E-SE	NetEngine05E-SQ	NetEngine05E-SG/SH/SI/SN	NetEngine05EE-SJ/SK/SR/SM
<b>Switching Capacity</b>	S6: 112 Gbit/s S6E/S9: 320 Gbit/s	24 Gbit/s	88 Gbit/s	272 Gbit/s	24 Gbit/s	SJ/SK/SR: 12 Gbit/s SM: 8 Gbit/s
<b>Forwarding Capability</b>	S6: 47.297 Mpps S6E/S9: 102 Mpps	17.85 Mpps	37.2 Mpps	102 Mpps	17.856 Mpps	SJ/SK/SR: 8.688 Mpps SM: 5.792 Mpps
<b>Interfaces</b>	10 GE/GE/FE, E1, Channelize STM-1, RS232, RS485, FXO, FSO, E&M, and X.21/V.35/X.24, etc.	GE/FE,E1, RS232, RS485, FXO, FSO, E&M, and X.21/V.35/X.24, etc.	2 x 10 GE + 16 GE/FE(O) + 8 x GE/FE(E)	SQ: 4 x 10 GE(O)+ 8 x FE/GE/10 GE(O) + 8 x FE/GE(O) + 8 x FE/GE(E)	SG: 4 x GE(O) + 4 x GE/FE(E) + 4 x GE/FE Combo SH: 4 x GE(O) + 4 x GE/FE(E) + 4 x GE/FE Combo + 2 x 8 E1 SI: 4 x GE(O) + 4 x GE/FE(O) + 4 x GE/FE(E, POE) SN: 4 x GE(O) + 4 x GE/FE(E) + 4 x GE/FE Combo + 16 E1	SJ/SK/SR: 2 x FE/GE(O) + 2 x GE/GE(E) + 2 x FE/GE Combo Support GPON ONU SM: 1 x GE/FE(O) + 2 x GE/FE(E,POE) + 1 x FE/GE Combo
<b>Clock</b>	1588 V2, ACR, E1 line clock, and sync clock					
<b>Power Consumption</b>	S6: 127W S6E: 164W S9: 182W	55W	49.8W	80.4W	SG: 24.63W SH: 29.42W SI: 31.87W SN: 29.92W	SJ: 11.42W SK: 15.39W SR: 12.8W SM: 17.46W (without PoE) 250.79W (with PoE full load)
<b>Voltage</b>	-38.4V to -72V DC 100V to 240V AC	-38.4V to -72V DC	-38.4V to -72V DC	-38.4V to -72V DC 100V to 240V AC	-38.4V to -72V DC 100V to 240V AC	SJ/SR/SM: 100V to 240V AC SK: -38.4V to -72V DC
<b>Slots</b>	S6/S6E: 2 MPUs; 6 FICs; S9: 2 MPUs; 9 FICs;	1 MPU; 2 FICs	0	0	0	0
<b>Dimensions (H x W x D)</b>	S6/S6E: 88.9 mm x 442 mm x 220 mm (2U) S9: 155.5 mm x 442 mm x 220 mm (2U)	44.45 mm x 442 mm x 220 mm (1U)	44.45 mm x 442 mm x 220 mm (1U)	44.45 mm x 442 mm x 220 mm (1U)	SG/SH/SI: 44.45 mm x 442 mm x 220 mm (1U) SH: 44.45 mm x 442 mm x 310 mm (1U)	SJ/SK/SR: 43.6 mm x 250 mm x 180 mm (1U) SM: 250mm x 180 mm x 52 mm
<b>Weight</b>	S6: 7.2 kg (15.87lb) S6E: 10.10 kg (22.26 lb) S9: 17.32 kg (38.2 lb)	4.9 kg (10.80 lb)	3 kg (6.6 lb)	DC: 4.7 kg (10.36 lb) AC: 4.9 kg (10.80 lb)	SG/SH: 4 kg (8.8 lb) SI: 3 kg (6.61 lb) SN: 5.1 kg (11.24 lb)	SJ/SK: 1.81 kg (3.99 lb) SR: 1.7kg (3.75 lb) SM: 2.7 kg (5.95 lb)
<b>Operating Temperature</b>	-40°C to +65°C	-20°C to +60°C	-40°C to +65°C	DC: -40°C to +65°C AC: -20°C to +65°C	SG/SH/SN: -40°C to +65°C SI: -20°C to +60°C	SJ/SK/SR: -40°C to +65°C SM: -40°C to +55°C
<b>Humidity</b>	5% RH to 95% RH, non-condensing					