

Technical Specifications

The following applies to all S-1110 media converters:

- Power Input/Consumption:** 12V DC / 2.6 W
- Operating Temperature:** 0°C to 50°C (32°F to 122°F)
- Storage Temperature:** -25°C to 70°C (-13°F to 158°F)
- Operating Humidity:** 5% to 90% non-condensing
- Storage Humidity:** 5% to 95% non-condensing
- Operating Altitude:** Up to 3,048 m (10,000 ft)
- MTBF: S-1110:** 551,585 hours
(With power supply): 318,690 hours
- MTBF: S-1110-SFP:** 661,835 hours (without SFP)
(With power supply): 352,630 hours (without SFP)
- Weight:** 0.3 kg (0.66 lbs)
- Dimensions:** 80 mm x 120 mm x 26 mm

Fiber Optic Specifications:

Model	Mode	Wavelength (nm)	TX Power (dB)	RX Power (dB)	Budget (dB)
S-1110-M2xx05	MM	TX: 850 RX: 850	Min: -9.5 Max: -4	Min: -17 Max: -3	7.5
S-1110-M2xx2	MM	TX: 1310 RX: 1310	Min: -6 Max: 0	Min: -17 Max: 0	11
S-1110-S2xx10	SM	TX: 1310 RX: 1310	Min: -9.5 Max: -3	Min: -20 Max: -3	10.5
S-1110-S1SC10U	SM	TX: 1310 RX: 1490	Min: -9 Max: -3	Min: -20 Max: -3	11
S-1110-S1SC10D	SM	TX: 1490 RX: 1310	Min: -9 Max: -3	Min: -20 Max: -3	11
S-1110-S1SC20U	SM	TX: 1310 RX: 1490	Min: -8 Max: -3	Min: -22 Max: -3	14
S-1110-S1SC20D	SM	TX: 1490 RX: 1310	Min: -8 Max: -3	Min: -22 Max: -3	14

Model	Mode	Wavelength (nm)	TX Power (dB)	RX Power (dB)	Budget (dB)
S-1110-S2SC40	SM	TX: 1310 RX:1310	Min: -3 Max: 5	Min: -23 Max: -3	20
S-1110-S2ST40	SM	TX: 1310 RX:1310	Min: -3 Max: 5	Min: -23 Max: -3	20
S-1110-S2LC40	SM	TX: 1310 RX:1310	Min: -3 Max: 2	Min: -23 Max: -3	20
S-1110-S1SC40U	SM	TX: 1310 RX:1490	Min: -3 Max: 2	Min: -23 Max: -3	14
S-1110-S1SC40D	SM	TX:1490 RX:1310	Min: -2 Max: -3	Min: -23 Max: -3	14
S-1110-S2SC70	SM	TX: 1550 RX:1550	Min: -2 Max: 5	Min: -23 Max: -3	21
S-1110-S2ST70	SM	TX: 1550 RX:1550	Min: 0 Max: 5	Min: -23 Max: -3	23
S-1110-S2LC70	SM	TX: 1550 RX:1550	Min: 0 Max: 5	Min: -23 Max: -3	23
S-1110-S1SC80U	SM	TX: 1510 RX:1590	Min: -2 Max: 3	Min: -26 Max: -3	24
S-1110-S1SC80D	SM	TX:1590 RX:1510	Min: -2 Max: 3	Min: -26 Max: -3	24
S-1110-S2xx120	SM	TX: 1550 RX:1550	Min: 0 Max: 5	Min: -32 Max: -9	32
S-1110-S1SC120U	SM	TX: 1590 RX:1510	Min: -3 Max: 2	Min: -34 Max: -9	31
S-1110-S1SC120D	SM	TX:1510 RX:1590	Min: -3 Max: 2	Min: -34 Max: -9	31
S-1110-S2xx160	SM	TX: 1550 RX:1550	Min: 2 Max: 5	Min: -34 Max: -9	32

Fiber Cabling Requirements:

MM: 50/125 microns or 62.5/125 microns

SM: 9/125 microns

Ethernet Copper Cabling Requirements:

- Category 5 UTP or STP
- 24-22 AWG
- Straight through or Ethernet crossover