

# Specifications

# Trimble EM120 EMPOWER 2.4GHz Radio Module



<b>Name</b>	<b>Trimble EM120 2.4GHz Module</b>
<b>General</b>	
	2.4 GHz Frequency Hopping Spread Spectrum technology
	Worldwide license-free operation
	3.3 Volt operation
<b>Physical</b>	
Dimensions (L × W × D)	102.5 mm × 55 mm × 49.74 mm (4.04" x 2.17" x 1.96")
Length with antenna	241.73 mm (9.52")
Weight	149.6g (5.28oz)
Weight with antenna	174.25.6g (6.15oz)
Housing	Polycarbonate / PET Blend
Color	Black
<b>Environmental</b>	
Ingress protection	IP68 (IEC 60529)
Drops	Multiple drops from 1.2m onto concrete. MIL-STD-810G Method 501.5 Procedure II
Vibration	General minimum integrity and loose cargo tests. Method 514.6, Procedure I & II, Category 5
Operating Temperature	−30°C to +60 °C (−22°F to 140°F)
Storage Temperature	−40°C to +70 °C (−40°F to 158°F)
Humidity	90% Relative humidity non-condensing (MIL-STD-810G Method 507.6)
High altitude operation	9,144 m (30,000 ft)
<b>Compliance</b>	FCC, IC, ACMA, ANATEL, CE, TRA, ICASA, NRTL & CB Scheme, and RoHS

Specifications subject to change without notice.

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