

# Motorola Canopy™ Wireless Broadband System Specifications

Canopy Cluster Management Module	Cluster Management Module	Cluster Management Module Micro
<b>Limits or Conditions</b>		
Max cable length any one radio can be from Cluster Management Module	328 feet (100 Meters)	328 feet (100 Meters)
Max cable length from Cluster Management Module to GPS antenna	100 feet (30.5 Meters)	NA
Dimensions	17.00" H x 12.88" W x 6.50" D (43.18 cm H x 32.72 cm W x 16.51 cm D)	12.00" H x 10.00" W x 3.00" D (30.00 cm H x 25.00 cm W x 7.50 cm D)
Weight	25.0 lbs. (11.3 kg)	81.0 lbs. (3.6 kg)
Operating Temperature Overall	-40°F to +131°F (-40°C to +55°C) Meets CE IP44 according to EN60529:2000	
<b>Network Integration</b>		
	Unmanged 8-port Ethernet switch	Manged 8-port Ethernet switch include a web browser interface for satus, configuration, GPSS status and other web pages
	Requires 2 cables per module—one provide Ethernet and power (RJ-45) and the other provides sync (RJ-11)	one cable provides Ethernet, power & sync (RJ-45)
<b>AC Power</b>		
<b>Limits or Conditions</b>		
AC input voltage	100 V – 240 V ~, 0.7 A – 0.35 A. Note: Applying 230 V to a unit, which is set to 115V, may damage the unit	
AC frequency	50Hz to 60Hz	
AC input power	Nominal 66 watts, max 92 watts with 8 modules connected to the CMM at max cable length	
<b>24 VDC Power Supply</b>		
<b>Limits or Conditions</b>		
Input Voltage	17 to 32 VDC, measured at CMM	
Input Power	Nominal 60 watts. Maximum 84 watts with 8 modules connected to the CMM at maximum cable length. 9 A in rush upon startup.	
Use Note	If using a typical "24V +/-5%" power supply, ensure that CMM is within 400 cable feet (120M) of the power supply. Minimum 12 AWG copper wire.	Required external 24V DC power supply. External power supply is not weatherised.
<b>12 VDC Power Supply</b>		
<b>Limits or Conditions</b>		
Input Voltage	11.5 to 32 VDC, measured at CMM	NA
Use Note	If using a 12 V power source (typically an automobile battery in a test or emergency situation), use 12 AWG (4mm <sup>2</sup> ) wire between the power supply and the CMM, ensure that the CMM is within 10 cable feet (3m) of the power supply, and ensure the modules are within 20 cable feet (6 m) of the CMM.	NA
<b>Cable Specifications</b>		
<b>Limits or Conditions</b>		
Ethernet, GPS sync, and GPS coax Cables	The use of cables that conform to the operational temperature of the product, as well as being UV light protected, is mandatory.	