



Product Number: DG-M10

**Digi m10™
Compact satellite modem**

Host Interface	
Header	14-pin socket, 1 mm pitch (Samtec P/N MLE-107-01-G-DV-K)
Serial Port	UART (3.3V TTL), 2-wire, with modem power on/ off control option through DTR signal
Wake Trigger	Satellite Available (SA), Data Available (DA)
Satellite Communications	
Antenna Connector	MMCX male connector (50 Ω)
Minimum Detectable Signal	-120 dBm (typical)
Transmit Power	5W nominal
Frequencies	TX: 148-150.05 MHz RX: 137-138 MHz
Power Requirements	
Input Voltage	+9 to 18VDC
Transmit Current	1.5 A max @ +12VDC
Receive Current	60 mA max @ +12VDC
Mechanical	
Dimensions (L x W x H)	2.95 in x 1.81 in x 0.52 in (7.49 cm x 4.60 cm x 1.32 cm)
Environmental	
Operating Temperature	-40° C to +85° C (-40° F to +185° F)
Relative Humidity	0% to 95% (non-condensing)
Shock (Operational)	Exceeds SAE J1455 levels
Vibration (Operational)	Exceeds SAE J1455 levels
Radiated Emissions	EN300 832, EN301-721