

The iPEC Data Collection Module (DCM)) sends commands to and receives data from an iPECS Sensor over a 2.4 GHz wireless link. On the iPEC DCM is software controlled and powered over a personal computer USB interface. The DCM unit also includes a 25 pin output connector that provides analog versions of the data received to remain compatible with existing research infrastructure. The DCM operating frequency is software selected by the laboratory technician, but will be software limited to channels between 2402 and 2480 MHz when sold with an internal monopole antenna, or software limited between 2404 and 2480 MHz when sold with an external patch antenna from the following list of antennas. Antennas are attached to the PCB via an RP-SMA connector. The iPEC DCM is a commercial (Class A) product intended for and sold to research facilities to aid in the design and fitting of prosthetic limbs.

Antenna Type	[Make], Model	Manufacturer Gain	Operating Channels
Integral Monopole	[Linx Tech], ANT-2.4-CW-RCT-RP	1.0 dBi	2402-2480 MHz
External Patch	[L-COM, Inc.], HyperGain HG2416P	15.5 dBi	2404-2480 MHz
External Patch	[L-COM, Inc.], HyperGain HG2409P	9 dBi	
External Patch	[L-COM, Inc.], HyperGain HG2409PCL	8 dBic (5 dBi)	
External Patch	[L-COM, Inc.], HyperGain HG2409PCR	8 dBic (5 dBi)	
External Patch	[L-COM, Inc.], HyperGain HG2408P	8 dBi	
External Patch	[L-COM, Inc.], HyperGain RE06P	6 dBi	