

A MODULAR SYSTEM FOR WIRELESS COMMUNICATION

ABSTRACT

A modular system for wireless communication includes first and second sensors, first and second sensor modules, and first and second communication devices. The second communication device includes a first plurality of connectors including first and second connectors, a communication bus, a processor, and a wireless transceiver. The second communication device allows modular attachment of the first sensor module and the first communication device. The first and second sensor modules are connected to the first and second sensors and receive sensor data generated by the first and second sensors, respectively. The first communication device receives the sensor data from the second sensor module. The communication bus communicates with the first sensor module and the first communication device by way of the first and second connectors, respectively. The processor receives the sensor data by way of the communication bus and the wireless transceiver transmits the sensor data to a third communication device.