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Versapoint RF, Wireless Keyboard Product Description and Unit Operation

Versapoint RF is a wireless keyboard system consisting of an RF Keyboard transmitter and an RF Receiver. The system operates at the 916.5MHZ frequency and uses ASK modulation.

The keyboard transmitter consists of a laptop-style keyboard matrix combined with button-type mouse operations. It contains a highly integrated Surface Acoustic Wave device (SAW) IC (RF Monolithics TX6000) to modulate and transmit digital keyboard and mouse messages. The antenna is internal to the keyboard and mainly consists of a specific length of hookup wire. This unit is battery powered and requires four AA batteries. A 4-position DIP switch located in the battery compartment selects among eight different addresses (one switch is unused) so that multiple Keyboard/Receiver sets could be operated simultaneously within close proximity of each other.

The Receiver is plugged into the USB port of any PC and draws its power as well as its processor clock pulses from the same port. It also uses a SAW device (RF Monolithics RX6000) for receiving and demodulating the 916.5MHZ RF signals. The Receiver, however has a permanently attached external, fixed-length antenna. It has three status LED's shining through the front plastic case to indicate "Num Lock", "Caps Lock" and "Scroll Lock" conditions. A rear mounted 4-position DIP switch selects among eight different addresses.

For further information regarding unit operation, please refer to the User's Guide.