

# Datacard Group

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## Brief narrative statement:

The SP75 is a desktop color card printer including magnetic stripe data encoding, contacted smartcard encoding, and contactless smartcard encoding. This product contains an intentional radiator device, a Phillips Icode RFID reader and tag. This device is used to communicate with supply items used by the SP75 printer. For more information about how the RFID system works see *Supplies ID description of Use.pdf*.

The SP75 has up to three identical radio transmitters located inside the device. Each radio transmitter uses the same antenna and transmitter schematic and layout. Below is a block diagram of the RFID system.

## System Block Diagram:

