

THE BLOCK™

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The BLOCK™ is an UHF RFID reader/writer designed for the desktop. It communicates through and is powered by a USB connection from your PC or laptop. The BLOCK™ supports both UHF Class1 GEN 1 and GEN 2 Protocols operating in the UHF 860-960 Mhz band and makes it easy for a small to medium size business to handle anything from meeting government mandates to investigating the potential of RFID labeling for the supply chain. Developers will find The BLOCK™ an excellent tool to aid in testing and validating applications designed for use in RFID enabled environments.

The BLOCK™ uses a unique circular polarized antenna (patent pending) for orientation agnostic activation of RFID tags. It comes with a standard six foot USB cable, installation instructions and a CD containing documentation and a demo application that will allow users full access to The BLOCK's™ functions within minutes of connecting the device to their computer.

FEATURES

- ⇒ 500mW maximum output power
- ⇒ Regionally defined frequency range
- ⇒ Multi protocol: UHF Class1 GEN1 and GEN2
- ⇒ Binary host protocols and ASCII service port communications
- ⇒ Specifically designed for low cost short range applications
- ⇒ Optical sensor for label identification activates automatic reader
- ⇒ Power supplied by a standard USB interface



ENVIRONMENTAL SPECIFICATIONS

Operation Temperature Range	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Relative Humidity	5% to 80% non-condensing

ELECTRICAL SPECIFICATIONS

RF output Frequency Range	860 Mhz – 960 MHz
Transmit Power Range	0.1mW – 500mW
Receiver Sensitivity	-45dBm
Digital I/O	5 Discreet Ports; 3 Defined, 2 User Definable

Power Supplied by USB

MECHANICAL SPECIFICATIONS

Size	4.5 x 4.5 x 2.0 in (114.3 x 114.3 x 50.8mm)
Weight	7.7 oz (220g)

ANTENNA SPECIFICATIONS

Type	Bi-phase Circularly Polarized
Gain	> 3dB
VSWR	< 1.1 (typical return loss 26dB)



3-D MARKETING

(888) 809-6105
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