

Product Description

The Printer **Reader** is an industrial strength fixed Reader targeted to printer market and other smaller applications. The Reader offers superior and robust read range capabilities, anti-collision features, and very high data read rates unmatched by other systems. It can be easily mounted in areas of ingress and egress where large numbers of tagged objects are inbound or outbound in a logistics process. It is packaged ready to be interfaced to your host computer, and can easily be programmed to perform specific tasks.

The Reader provides all of the RF and control functions required to power and communicate with Class 0 passive RFID tags. It sends digital data to the tag (through one antenna at any given time) on a pulse width modulated On Off Keyed (OOK) transmitter signal, demodulates the identification signal received from the tag, and then sends the data to your host computer.

The Printer Reader network is structured to allow for flexibility in system configurations and in the arrangement of read points to optimize coverage at a low overall cost.

The system also employs a unique, patented reader-driven interrogation protocol that allows up to two hundred (200) tags to be read each second. This powerful read rate supplies the muscle to overcome interference in noisy environments, and to guarantee acceptable read rates at each read point when large numbers of antennas are multiplexed together.

Readers can be powered either locally or through the network cable in the event there is not a local power source near by, and to minimize overall network infrastructure costs.