

FileTrail's RFID Reader

FileTrail's RFID Reader is a high-performance UHF RFID reader that is easy to deploy and fully managed by the RF-Enterprise Middleware.

Features

Multiple Sensor Ports

RFID Readers support either two or four independently operating SmartSensors. Each is connected by up to 40 feet of light coax cable. As much as 60 feet may be used when full power is not required.

Adjustable Power

Power levels are adjustable independently for each port, allowing each SmartSensor to perfectly fit its environment and purpose. Adjustments are made within the RF-Enterprise interface so the actual reader does not need to be reachable.

Flexible Use

The four ports can be assigned to represent different locations. Ports can also be combined as a single location with other ports on the same reader, or a different reader. This allows large areas or rooms with multiple doorways to be covered with multiple SmartSensors but treated as a single location.

Addressing

The reader can be configured with Static IP addresses to simplify device management in large environments. DHCP can be used to simplify installation and future re-purposing of readers.

Functionality

Fast Read Rates

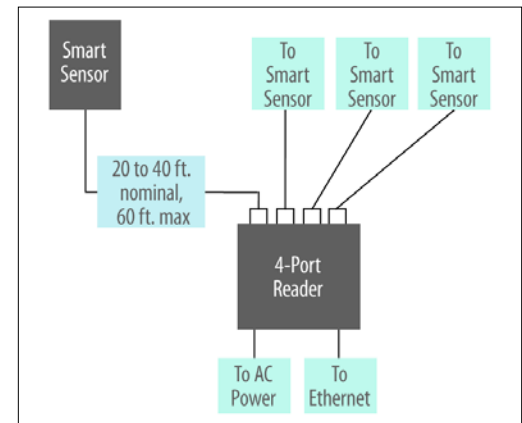
The high performance reader is capable of reading tags at rates up to 400 per second. They have been shown to read 40 different tags at least once in less than one second.

Buffering

Tag reads are buffered and filtered to eliminate sending of duplicate reads. This minimizes traffic on your network, while reporting everything the tracking database needs to know.

Alarming Exits

A GPIO port accommodates triggering lights and alarms.



Specifications:

Supported RFID Tag Protocols EPC Gen 2; ISO 18000-6c

LAN Protocols US: 902.75–927.25 Mhz
EMEA: 865.6–867.6 MHz

RF Power Output +15dBm to +30dBm

Power Supply +24Vdc (power supply/ adapter included) or POE (IEEE 802.3af)
Consumes < 10 Watts – 802.3af PoE can supply 12.5 Watts

Antennas 2 or 4 ports; monostatic topology; reverse polarity TNC connectors

Dimensions 7.7 x 5.9 x 1.7 Inches
(195 x 150 x 43 mm)

Weight 1.8 lbs
(820 grams)

Operating Temperature +14° to +122° F
(-10° to +50° C)

Storage Temperature -40° to +158° F
(-40° to +70° C)

Compliance Certification FCC Part 15, RSS 210, EN 302 208, ICES-003 Class B, EN 301 489-1/3