The tres900 reader is value engineered to meet your most demanding applications for asset and personnel monitoring, vehicle ID and supply chain management. Integrated antenna design means simple installation and functionality in a single, low profile design. tres900 is environmentally sealed allowing for indoor and outdoor installations with a UV resistant housing.

Upgradeable firmware allows for protocol expansion and feature upgrades. High gain circular polarized antenna for maximized read ranges. DSP (digital signal processing) for multi tag anti-collision capabilities. Able to accomplish multi reader synchronization for interference reduction.
tres900 Passive UHF Reader Specifications

Operating Frequency
902MHz ~928MHz (860-960 MHz built-in)

RF Protocol
ISO18000-6B, EPC Class 1, EPC Class 1 GEN 2

Operating Method
FHSS or fixed frequency (set by software)

Antenna Ports
Internal 7dBi circular polarized antenna 7:10 H/V

Max RF Power
30 dBm (1 Watt)

RF Power Range
20~30 dBm, Software Adjustable

Tag ID Modes
Timed Mode - automatically reads at fixed time
Trigger Mode - external trigger control to read
Master/slave Mode - Under software control

Identity Tag Time
<8ms Identity single tag

Reading/Writing Tag Time
Reads every 8 bytes in less than 5ms
Writes every 4 bytes in less than 25ms

Reading/Writing Range
18 to 25 feet

Communication Interface
RS-232, Wiegand, TCP/IP

Input
One way trigger input for master/slave configuration

Power Supply
8 to 16 VDC 2A included

Power Consumption
≤5W

Size
(10.19 X 10.19 X 3.74 inches)
260mmx260mmx90mm

Work Temperature
-20 °C to + 70 °C

Work Status Indication
Audible Buzzer

Certifications:
FCC Part 15, CE Mark

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and; 2) this device must accept interference received, including interference that may cause unintended operation. FCC ID: A379502

Transponder and Reader Engineered Systems, Inc
3185 Cherokee St. NW | Suite 400 | Kennesaw, GA 30144
Phone (888) 574-8737
sales@tresrfsolutions.com  |  www.tresrfsolutions.com