

RFID Sensor Systems

Sensing, Tracking, and Data Logging

T070-16 Fully Passive Steel Ranger™ Tag with Extended Memory

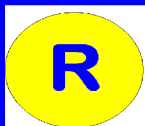
RFID Sensor Systems offers tags, readers, and small systems compliant with EPC Gen2 class 1 international standard. We offer a variety of tags with different mounts and read/write range. Our product line is further enhanced with EPC Gen2 class1 tags providing immediate sensor data and logged sensor data. Many of our tags are available with adhesive backing, Velcro-like backing, magnetic strip backing, and screw-hole mounting options. Our passive tags include industry standard CMOS Gen2 class1 (ISO 18000 – 6c) integrated circuit ICs.

The T070-16 fully passive tag provides the maximum read/write range available today with extended memory up to 16kb of user programmable memory. This world class tag using the Ramtron WM720xx passive transponder tag IC offers extremely fast read and write speeds. In addition this tag has the same read range as compared to write range.



EPC Gen2 class1/ ISO 18000-6c compatible

Features	
Tag Dimensions:	6.5 x 0.75 x 1.85in. (16.5 x 1.9 x 4.7 cm) without special backing
Frequency	902 - 928 NA + SA, 865.7- 867.6 EU, 865 - 867 India, 902-907.5 Brazil
Read Range T070-16:	Up to 40 feet (12 meters) (with 1 Watt RF power and standard antenna)
Write Range T070-16:	Up to 40 feet (12 meters) (with 1 watt RF power and standard antenna)
	Read & write range are approximately the same for metal mount and open air mounting
Memory	16kb user memory for data plus EPC and security kill password. Preprogrammed with unalterable 64-bit serial number. Forward data rate 128 kbps highest in industry.
RFID protocol chip:	Ramtron WM720xx
Ambient temperature:	-58 to 185 °F (-50 to +85 °C)
Humidity:	IP-67 with ultrasonic seal
Attachment options:	Screw hole mounting standard, Optional Nd-coin magnets for steel attach
Compatible Standards:	EPC C1 Gen2 / ISO 18000-6c including 6.25, 12.5, 25.0 μs tari
Return data link:	40, 80, 160, 320, 640 kHz



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