

RSI PC-51/501

Dual Frequency Global, Passive Card



Global Passive Dual Frequency RFID Card

Sirit's RSI PC-51/501 is a dual frequency radio frequency identification (RFID) smart card which incorporates both ultra high Frequency (UHF) and High Frequency (HF) technology within the same card. The PC-51/501 dual frequency card offer the long range readability and extended memory associated with UHF, while the HF component offers MIFARE technology standard in contactless smart cards. Offering superior performance while withstanding flexing and mechanical stresses, Sirit's PC-51/501 is the ideal solution for a wide variety of application applications requiring short and long distance read range requirements within the same card.

Performance Characteristics		
Operating Frequency:	902 - 928 MHz Americas, 4 W EIRP, 869.4 - 869.56 MHz Europe, 0.5 W ERP, 865.6 - 867.6 MHz Europe, 2 W ERP, 13.56 MHz	
Working Range:	Determined by reader/antenna configuration, regulatory specifications and application surface.	
Supported Protocol:	ISO 18000-6C, ISO 14443A	
Functionality:	Read/Write	
Tag Memory & Security	UHF	HF
On-Chip Memory:	800 bits	1024 bits
Tag Identifier:	64 bits	
Access password:	32 bits	
Kill password:	32 bits	
EEPROM data retention:	10 years	10 years
EEPROM write endurance:	10,000 cycles	10,000 cycles
Unique TID	Yes	N/A
Password Authentication	Yes	N/A
Read Lockable Memory	Yes	N/A
Physical Characteristics		
Dimensions (WxL):	85.72 x 53.97 mm (3.375 x 2.125 in.)	
Part Number:	PC-51501	
Environment		
ESD Voltage Immunity:	+/- 3kV	
Operating Temperature:	-40°C to +85°C (-40°F to 185°F)	

For more information contact Sirit tag sales at 1.619.656.2515 or at



About Sirit

Sirit Inc. (TSX: SI) is a leading provider of Radio Frequency Identification (RFID) tags, readers, embedded modules and services, and a leading vertically integrated manufacturer of antennas, inlays and tags, which when integrated with our partners' products are designed to make RFID work. Sirit's core skills in rapid tag design and high quality manufacturing of inlays and labels, coupled with its extensive systems design and integration expertise, enable it to deliver complete, innovative solutions to complex RFID problems across global markets. For more information contact Sirit tag sales at 619.656.2515 or visit www.sirit.com.