SEEONIC™

Datasheet

SIGHTWARE® P

16-Port Untethered RFID™ Device

SightWare® P is a low-profile, multi-purpose UHF RFID device that operates autonomously in field locations within fixtures, mobile units, vehicles and more. Driven by ultra low-power Internet of Things (IoT) technologies, SightWare® P delivers Untethered RFID™ inventory visibility using only battery power. No electrical or data infrastructure is required. With robust cellular communication and remote configuration capabilities, SightWare® P devices can operate on a large scale no matter where they are deployed in the field.

SightWare® enables RFID use cases never before possible.

UHF RFID Interface	
Ports	Sixteen (16) SMB FAKRA connectors
Max Power Output	+27.6 dBm
Frequencies	FCC 902-928 MHz (Americas)
Tag Protocol	EPC Gen2 (ISO 18000-6C) w/ DRM
Cellular Communications	
Antenna	Onboard, internal
GSM Standards	2G/3G GPRS/EDGE/3GPP (850/900/1800/1900 MHz)
CDMA Standards	2G/3G UMTS/HSPA+/1xEV-DO (800/850/900/1900/2100 MHz)
External Interface	
Data/Control Port	9-pin female DB9, RS232 Engineering (human interface) Freeform (machine interface)
SIM Card	Removeable SIM card tray
Misc	12 LED status indicators Pinhole reset button
Physical	
Dimensions	21 cm L x 16.5 cm W x 4.19 cm H (8.25 in L x 6.5 in W x 1.65 in H)
Weight	0.9 kg (2 lbs)
Compliance	
Safety	IEC 60950-1 (ed.2) UL 60 950-1
Regulatory	FCC: 47 CFR Ch. 1 Part 15 CE: 99/05/EC
Certification	PTCRB NAPRD.03 V5.11 AT&T/Verizon/Sprint certification

Power	
AC Transformer Input	19.0V @ 1A (for recharging) 9V @ 1.5A
Battery Input	SLA 12V (rechargeable) Li-Ion, others 9-12V*
Environment	
Operating Temperature	-30C to +65C
Storage Temperature	-40C to +85C
Max Humidity	MIL-STD-810E (95% RH)
Sensors	
GPS	Better than -158 dB sensitivity Onboard, internal antenna
Performance	
Max Read Rate	Up to 750 tags/second
Max Read Distance	Over 30 feet (9 m) with 6 dBiL antenna (36 dBm EIRP)
Max Read Session Storage	Over 3000 tags
RF Switching Time	< 5 uSec
Key Features	
Ultra-Low Power	- No electrical infrastructure needed
Cellular Communcation	- Deploy anywhere
Ease of Use	- Automatic configuration - XML inventory, health & status - REST API
Scalability	- Failsafe in-field operation - Remote firmware upload

* Refer to *SightWare® Intro Guide*