



# SIGHTWARE® P

## 16-Port Ultra-low Power RFID Device

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

**SightWare® enables RFID in places never before possible.**

UHF RFID Interface		Power	
Ports	Sixteen (16) SMB FAKRA connectors	AC Transformer Input	19.0V @ 1A
Max Power Output	+27.6 dBm	Battery Input	SLA 12V (rechargeable)
Frequencies	FCC 902-928 MHz (Americas)	Environment	
Tag Protocol	EPC Gen2 (ISO 18000-6C) w/ DRM	Operating Temperature	-30C to +65C
Cellular Communications		Storage Temperature	-40C to +85C
Antenna	Onboard, internal	Max Humidity	MIL-STD-810E (95% RH)
GSM Standards	2G/3G GPRS/EDGE/3GPP (850/900/1800/1900 MHz)	Sensors	
CDMA Standards	2G/3G UMTS/HSPA+/1xEV-DO (800/850/900/1900/2100 MHz)	GPS	Better than -158 dB sensitivity Onboard, internal antenna
External Interface		Ambient Temperature	+/-2 deg C
Data/Control Port	9-pin female DB9, RS232 Engineering (human interface) Freeform (machine interface)	Ambient Humidity	+/-5% RH at 25 deg C
SIM Card	Removeable SIM card tray	Performance	
Misc	12 LED status indicators Pinhole reset button	Max Read Rate	Up to 750 tags/second
Physical		Max Read Distance	Over 30 feet (9 m) with 6 dBIL antenna (36 dBm EIRP)
Dimensions	21 cm L x 16.5 cm W x 4.7 cm H (8.25 in L x 6.5 in W x 1.85 in H)	Max Read Session Storage	Over 3000 tags
Weight	0.9 kg (2 lbs)	RF Switching Time	< 5 uSec
Compliance		Key Features	
Safety	IEC 60950-1 (ed.2) UL 60 950-1	Ultra-Low Power	- No electrical infrastructure needed
Regulatory	FCC: 47 CFR Ch. 1 Part 15 CE: 99/05/EC	Cellular Communication	- Deploy anywhere
Certification	PTCRB NAPRD.03 V5.11 AT&T/Verizon/Sprint certification	Ease of Use	- Automatic configuration - XML inventory, health & status
		Scalability	- Failsafe in-field operation - Remote firmware upload - Mass-device management (via Seeniq cloud, optional)