

# PROXI READER



## Environmental specifications

Temperature Operating	-30 to +60 °C (-22 to 140 °F)
Storage	-40 to +65 °C (-40 to 149 °F)
Battery charging	0 to +45 °C (32 to 113 °F)
Battery discharging	-20 to +60 °C (-4 to 140 °F)
Battery storage	-20 to +60 °C (-4 to 140 °F)
Relative humidity 5% to 95% non-condensing	

## Electrical specifications

Power supply range 8 – 30 V DC	
Protections Battery short circuit protection	
Reverse polarity protection	
Electrostatic discharge protection on USB	
Charging protection	
2 A fuse on the power line	
Average power consumption @12 V DC	
Operating Idle mode (battery fully charged)	33 mA*
Active mode (peak)	~230 mA
Sleep mode (lowest)	~3.5 mA * - configuration dependent value

## Connectivity

Cellular Modem	Quectel Quad-band GSM/GPRS Module
Antenna	Internal
GSM quad-band	850/900/1800/1900MHz
Max. data rate	85.6 Kbps
Multi navigation constellation	GPS/GLONASS/Galileo/BeiDou/QZSS
GNSS receiver channels	99 acquisition/33 tracking channels
Built-in LNA for better GNSS sensitivity (-167 dBm @Tracking)	

## Features

Frequency 865-868MHz(EU),902-928MHz (US)
Protocol ISO18000-6C9EPC GEN2
RF power 30dbm (adjustable)
Inventory speed 200pcs/s
Read distance 0-15m(depends on antenna and tag)
RFID Storage
Interface RS232(3.3V TTL level)
Antenna ports With four antenna poets
Connector for antenna SMA
GPIO 2 input and 2 outputs
Device management Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
Whitelist - up to 1000 Id's
RFID inventory filter
SIM card Multi SIM

## Interfaces

4 x Digital inputs insolated
4 x Digital outputs insolated
Configurable outputs signal length
IP65 power connectors
SMA Antenna Connectors