

Kimaldi KIMP61 - Rugged UHF Integrated Middle Range Reader



Functions

- UHF frequency band, equipped with 8dBi antenna
- Based on Impinj R2000 RFID chip
- Build in embedded Linux OS
- Support standard RS-232, 10M/100M Ethernet interfaces
- Multi groups of I/O interfaces optional, through which controlling the functional mode of the reader/writer
- Upgrade firmware online
- Rugged All In One design, high durability in tough environment

Applications

- Digital warehouse, logistics system management
- Permanent asset management
- Vehicle checking, personal management

Specifications

Operating Frequency	865-868MHz; 902-928MHz, RF band customized (optional)
Frequency Hopping	FHSS or Fixed Frequency
Wireless Data Rate	40kbps
Modulation	ASK
Power Output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 8dBi circular polarization antenna
Communication Interface	RS-232, 10M/100M Ethernet interface
Optional Interface	Weigand26/34 or RS485
Optional Wireless module	4G LTE or 802.11 WIFI
Optional IO	Two group relay output or two group level detection input is optional
Firmware Upgrade	Ethernet
Application Software Platform	API(C++, C#) development kit (can be customized)

Tag Operation

Tag Protocol	EPC Class 1 Gen 2(ISO18000-6C)
Reading Range	0~10 m
Writing Range	0~3m

Mechanical/Electric Performance

Waterproof	IP67
Indicator	Buzzer and LED(Power, Antenna, Reading/Writing)
Power	External power adapter (150 ~ 240V / 50Hz AC input and DC outputting 12V / 3A); POE optional
Power Assumption	2W(Standby), 10W(Working)
Product Dimension	259*259*100mm(L×W×H)
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +80°C
Humidity	5%~ 95%(non-condensing)