

KEILE High-Frequency 4-Ways Antenna Receiver (KLM9804)

Technical Specification

1. Product Introduction

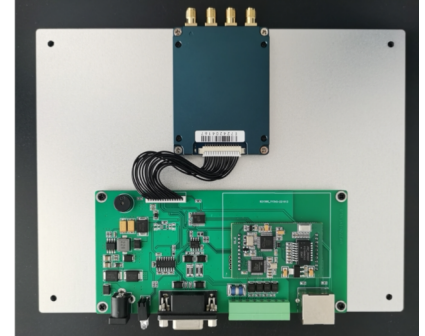
KLM9804 is one of UHF high-frequency RFID receiver.

Supports EPC C1 Gen2 V1.2 Protocol

Strong anti-interference ability and easy to install

2. Product Features

- Come with internal signal testing.
- Support EPC C1 Gen2 V1.2 Protocol
- RJ-45, RS485 and RS232 Port.
- Impinge E710/E510 platform, Fully support EPC Class1 Gen2 Tag.
- Aluminum die-casting heat dissipation.
- Support RSSI and FHSS
- Support antenna detection function.
- And supports intensive multi-label reading.
- Sampling cycle up to 1000 Scan per second.



3. Specification Parameter

Weight	Approx., 0.95kg
Materials	Aluminium
Class of Protection	IP00 (Optional with enclosure @ IP53)

4. Function

Agreement	All EPC C1 Gen2 V1.2 Mandatory commands are supported
Communication interface	RJ45, RS485, RS232
Working mode	Fixed frequency / Frequency hopping (Optional)
I/O interface	GPIO: 2 Output (DO1 and DO2) 2 Input (DI1 and DI2)
Feature	Support Intensive read and write, Antenna detection Support online upgrade. Support label data filtering Support Antenna working instruction RSSI Support Strength of the signal can be sensed.

5. Performance Parameter

Frequency	Operating frequency 840 ~ 960 MHz (Auto Selection)
RF Output Power (port)	33dBm (Selectable)
Output power regulation	1dB step
Channel occupied bandwidth	<200kHz
Band stability	<±10ppm
Read distance	0m ~ 5m (depending on transmit power, antenna type, label type, application environment and other factors)
Write distance	
Reading speed	>1000 times per second (max., 96 bits)
Network interface communication rate	10/100M adaptive

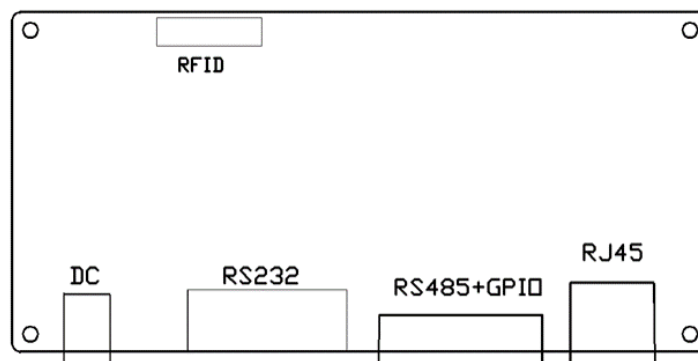
6. Communication Interface

RS232 Interface	Boud rate 115200bps (default) and selectable
Ethernet interface	10/100M Ethernet interface
Power Supply	DC 9 ~ 24V

7. Working environment

Operating temperature	-20 ~ +55°C
Storage temperature	-40 ~ +85°C
Humidity	10% ~ 95% RH no condensation

8. Connection



Symbol	Description
DC	DC 9 ~ 24V
RS232	RS232 communication serial port
RS485+GPIO	RS485 communication serial port
RJ45	RJ45 Ethernet Communication port
RFID	4 Ways Antenna connection port