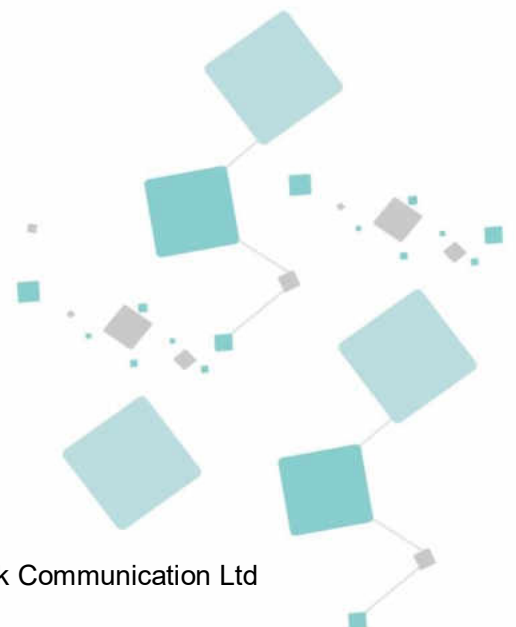




L508 EVB User Manual

Version: V1.1

Date: 2021-05-13



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Version History

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2021-05-13	V1.1	EPI change to V2	g.zhong

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Contents

CONTENTS	3
1 ABOUT THIS DOCUMENT	5
1.1 Scope of applications.....	5
1.2 Writing purpose	5
1.3 Support and reference documentation list.....	5
1.4 Abbreviations.....	6
2 ABSTRACT	8
3 POWER SUPPLY	10
4 KEY DESCRIPTION	12
4.1 Power on/off and RESET key	12
4.2 FORCED USB download key	13
5 APPLICATION INTERFACE	14
5.1 UART DB9 Interface	14
5.2 USB (AT UART) Interface.....	15
5.3 USB 2.0 Interface	15
5.4 SIM Card Interface.....	16
5.5 TF Card Interface	17
5.6 LCD Interface	17
5.7 Analog Audio Interface.....	18
5.8 Digital Audio Interface	19
5.9 Antenna interface.....	20
5.10 The others	21

6 ACCESSORIES AND ASSEMBLY	24
6.1 EVB Assembly	24
6.2 EVB Accessory	25
6.3 Download Driver install.....	25
6.4 Power-on Driver install.....	30

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1 About this document

1.1 Scope of applications

This document describes the basic specifications of the L508 Module EVB (hereinafter referred to as the L508) series product electrical characteristics, design guidance and hardware interface development guidance. Users should design according to this document requirement and guidance.

This document is only applicable to the application development of L508 series products.

1.2 Writing purpose

This document provides the design and development basis for the module product user. By reading this document, the user can have a whole understanding our products, technical parameters have a clear understanding of product, and on by reading the basis of this document user can help user complete 4G IoT wireless Internet access products or equipment application development.

This hardware development document not only provides the function of product features and technical parameters, also provides product reliability test standard, business function and related implementation process, the RF performance and circuit design to guide the user. All are giving users a more comprehensive design reference.

This document describes the hardware interface of the L508 module EVB, can help user to quickly understand L508 EVB interface specifications, electrical and mechanical details, with the help of this document users can use L508 serial module to design and set-up various types wireless terminals.

1.3 Support and reference documentation list

In addition to the hardware development documentation, we also provide the development board

operation instruction manual and software development instruction manual based on this product.

Table 1-1 is support for the list.

Table 1-1 Support document list

No.	Document
1	《L508 AT Command User Guide》
2	《L508_Hardware_Design》
3	《L508_EVB_user manual》
4	《L508 Schematic checklist》
5	《L508 Layout checklist》
6	《L508_Reference Design.pdf》
7	《L508_xx_DECAL.sch》
8	《L508_xx_DECAL.PCB》

1.4 Abbreviations

Table 1-2 is the relevant abbreviation and English interpretation of the whole document.

Table 1-2 Abbreviation

Abbreviation	Full name in English
ESD	Electro-Static discharge
USB	Universal Serial Bus
UART	Universal Asynchronous Receiver Transmitter
SDCC	Secure Digital Card Controller