



INSTALLATION AND OPERATION
QUICK GUIDE

WWW.UNICORECOMM.COM

UM220-IV M0

Navigation and Positioning Module Evaluation Kit

Copyright© 2009-2023, Unicore Communications, Inc.
Data subject to change without notice.



Revision History

Version	Revision History	Date
R1	Initial release revision	Jun. 2020
R1.1	Fix Typo	Jun. 2021

Legal right notice

This manual provides information and details on the products of Unicore Communication, Inc. ("Unicore") referred to herein.

All rights, title and interest to this document and the information such as data, designs, layouts contained in this manual are fully reserved, including but not limited to the copyrights, patents, trademarks and other proprietary rights as relevant governing laws may grant, and such rights may evolve and be approved, registered or granted from the whole information aforesaid or any part(s) of it or any combination of those parts.

Unicore holds the trademarks of "和芯星通", "UNICORECOMM" and other trade name, trademark, icon, logo, brand name and/or service mark of Unicore products or their product serial referred to in this manual (collectively "Unicore Trademarks").

This manual or any part of it, shall not be deemed as, either expressly, implied, by estoppel or any other form, the granting or transferring of Unicore rights and/or interests (including but not limited to the aforementioned trademark rights), in whole or in part.

Disclaimer

The information contained in this manual is provided "as is" and is believed to be true and correct at the time of its publication or revision. This manual does not represent, and in any case, shall not be construed as a commitments or warranty on the part of Unicore with respect to the fitness for a particular purpose/use, the accuracy, reliability and correctness of the information contained herein.

Information, such as product specifications, descriptions, features and user guide in this manual, are subject to change by Unicore at any time without prior notice, which may not be completely consistent with such information of the specific product you purchase.

Should you purchase our product and encounter any inconsistency, please contact us or our local authorized distributor for the most up-to-date version of this manual along with any addenda or corrigenda.

Preface

This document contains the contents related to UM220-IV M0 EVK, and can be used in conjunction with uSTAR Introduction.

Audience

This document is intended to present an overview of UM220-IV M0 EVK. The audience is expected to possess the expertise on GNSS receivers.

Contents

1	Overview	1
2	EVK Introduction	1
3	Interface.....	1
4	Indicator.....	2

1 Overview

UM220-IV M0 evaluation board (hereinafter referred to as EVK board) is mainly used to test and evaluate the function and performance of UM220-IV M0 module for user convenience.

2 EVK Introduction

UM220-IV M0 EVK Suite is shown as follows:



Figure 2- 1 UM220-IV M0 EVK Suite

3 Interface

The interfaces of UM220-IV M0 EVK Suite are shown in the figure below, and the detailed description is shown in Table 3-1.



Figure 3-1 Interfaces of UM220-IV M0 EVK Suite

Table 3- 1 Interfaces on the EVK Board

Interface	Type	Description
S1	Reset switch	Reset the module by a jumper cap
S2	Antenna feed switch	Control the antenna feed on and off by a jumper cap
ANT	RF input connector	Antenna signal input
USB	Micro-USB connector	Power supply (+5V), and data communication
SD-card	SD-card socket	Install SD memory card
UART	Communication DB9 connector	Backup serial communication interface, 232 level

4 Indicator

Table 4-1 lists indicators on the UM220-IV M0 EVK board.

Table 4- 1 Indicators on the UM220-IV M0 EVK Board

Indicator	Type	Description
L1	Power supply/1PPS indicator	The indicator lights up when the connector is powered, and flashes when the 3D positioning is valid.

和芯星通科技（北京）有限公司

Unicore Communications, Inc.

北京市海淀区丰贤东路 7 号北斗星通大厦三层
F3, No.7, Fengxian East Road, Haidian, Beijing, P.R.China,
100094

www.unicorecomm.com

Phone: 86-10-69939800

Fax: 86-10-69939888

info@unicorecomm.com



www.unicorecomm.com