



INSTALLATION AND OPERATION
QUICK GUIDE

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UM220-IV N

Navigation and Positioning Module Evaluation Kit

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Revision History

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R1	Initial release revision	Jun. 2020

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Preface

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

Audience

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

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1 Overview

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

2 EVK Introduction

UM220-IV N EVK Suit is shown as follows:



Figure 2- 1 UM220-IV N EVK Suite

3 Interface

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



Figure 3-1 Interfaces of UM220-IV N 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 N EVK board.

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

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

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