



unicore UM220-IV N Navigation and Positioning Module Evaluation Kit User Guide

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unicore UM220-IV N Navigation and Positioning Module Evaluation



Product Information

The UM220-IV N EVK Suite is a Navigation and Positioning Module Evaluation Kit manufactured by Unicore Communication, Inc. It is designed to test and evaluate the function and performance of UM220-IV N module. The kit comes with an EVK board, which includes interfaces such as reset switch, antenna feed switch, RF input connector, and micro-USB connector.

Revision History

Version	Revision History	Date
R1	Initial release revision	Jun. 2020

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Product Usage Instructions

This manual is intended to present an overview of the UM220-IV N EVK Suite. The audience is expected to possess expertise on GNSS receivers. For detailed instructions on how to use the kit, please refer to uSTAR Introduction.

Interface

The UM220-IV N EVK Suit includes the following interfaces:

- S1: Reset switch
- S2: Antenna feed switch
- ANT: RF input connector
- USB: Micro-USB connector

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

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.

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.

EVK Introduction

UM220-IV N EVK Suit is shown as follows



Figure 2- 1 UM220-IV N EVK Suite

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

Indicator

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

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

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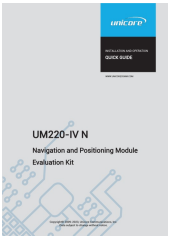
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Documents / Resources

	<p>unicore UM220-IV N Navigation and Positioning Module Evaluation Kit [pdf] User Guide UM220-IV N Navigation and Positioning Module Evaluation Kit, UM220-IV N, Navigation and P ositioning Module Evaluation Kit, Positioning Module Evaluation Kit, Evaluation Kit</p>
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References

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