

Tersus GNSS BX50 EVK

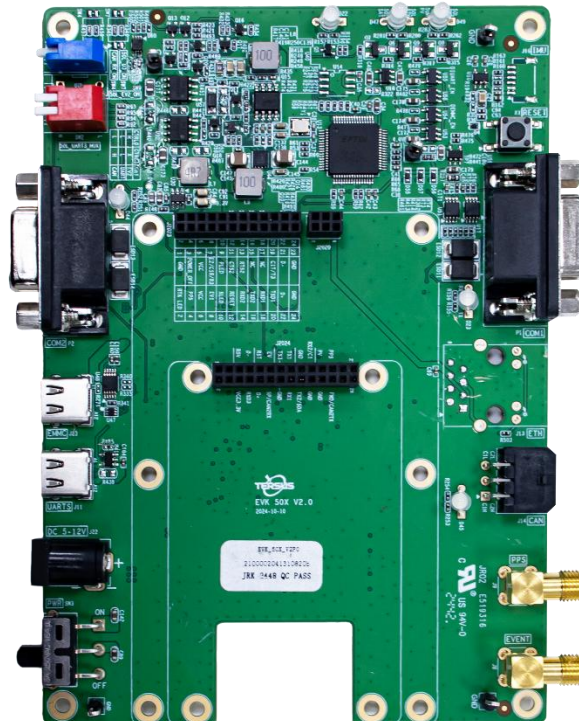
Overview

The BX50 EVK, independently designed and developed by Tersus GNSS, is an evaluation kit specifically tailored for testing and assessing the functionality and performance of Tersus BX50 series GNSS boards. It provides a streamlined platform to help users evaluate and utilize these boards efficiently.

This EVK features versatile hardware interfaces, including serial, Ethernet, and PPS signal ports. It supports diverse communication requirements across applications. Its comprehensive design ensures compatibility with most testing, debugging, and performance validation scenarios.

Key Features

- ✓ Pin-to-pin compatible with BX50 series boards
- ✓ Supports both USB and DC power interfaces
- ✓ Integrates 3 USB UART virtual COM ports with power delivery - enables simultaneous power supply and serial debugging via a single cable
- ✓ Built-in eMMC read interface for straightforward data retrieval from the BX50 board's internal storage



Tersus GNSS

BX50 EVK

Technical Specifications

Communication Ports

PPS Output:	SMA Female x1
Event Input:	SMA Female x1
USB:	USB Type-C x2
Serial Port:	DB9 Female x2
COM Baud-rate:	Up to 921600 bps

Environmental

Operating Temperature:	-40°C ~ +85°C
Storage Temperature:	-55°C ~ +95°C

Physical

Dimension:	140* 100 * 15.1 mm
Weight:	97g

Electrical

Input Voltage:	5~12 VDC
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