Tersus BX316 Firmware Version (FW0041) Release

Oct 29, 2018

Overview

Tersus GNSS Inc. ("Tersus") is glad to release the firmware to BX316 OEM board. Firmware version (FW0041) is available for download at www.tersus-gnss.com/pages/software and support documents are available at www.tersus-gnss.com/pages/documents.

Features

➢ The firmware tracks three constellations: GPS (L1/L2), GLONASS (R1/R2) and BeiDou (B1/B2).

➢ This firmware provides centimeter-level accurate positioning to meet the wide range of precision positioning applications.

➢ The 4 GB onboard data storage makes it possible to store raw measurements for post-processing application.

➢ The maximum update rate is 20Hz for RTK and 20Hz for raw measurements.

➢ With a number of configurations, the firmware matches the needs for post-processing workflows, and for the use as a base/rover station or rover.

Change from Previous Versions

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Issue	Type	FW
The RTK engine is updated to version 3.0 which is more stable re reliable.	Enhancement	FW0041
The maximum update rate is 20Hz for RTK.	Enhancement	

Add RTCMv3 messages, including GPS ephemeris (MT1019), GLONASS ephemeris (MT1020), BDS ephemeris (MT1042), GLONASS bias information (MT1230).	Enhancement	
Optimizing the upgrade program. Even if the OEM board is unable to boot, the upgrade program may be enforced.	Enhancement	
The logic of firmware update has been optimized.	Enhancement	
The USB feature of firmware has been optimized.	Enhancement	
Fixed the bug when the updating is not successful.	Bug fix	
Changed the naming method of storage files. The time when the file was created is taken as the file name.	Enhancement	
Added a new feature of [base network]. (refer to < User Manual For BX Series GNSS Receiver >, 2.6.1)	Enhancement	