Firmware Ethernet & NTRIP

IMPROVES INTEGRATION INTO GNSS INFRASTRUCTURE AND ENABLES REMOTE RECEIVER ACCESS

NovAtel's board level integration of the Ethernet port reduces hardware requirements and system complexity and provides quick and easy integration into Global Navigation Satellite System (GNSS) infrastructure and remote access applications. Standard Internet Protocol (IP) communication allows plug and play integration into Ethernet networks providing fast connection speeds up to 100 Mbs to NovAtel's OEM628™, OEM638™, FlexPak6™ and ProPak6™ receivers. Remote access enables the user to configure, log data and monitor the receiver over the internet.

Network Transport of RTCM via Internet Protocol (NTRIP) is an application level protocol used to stream GNSS differential correction data over the internet. NovAtel provides NTRIP server and client functionality in its OEM628, OEM638, FlexPak6 and ProPak6 receivers. This allows quick and easy integration into any v1.0 or v2.0 NTRIP caster ensuring universal support for worldwide GNSS infrastructure for base and rover applications.

The three major software components within the NTRIP architecture are:

NTRIP caster – an HTTP internet service that provides a communication medium between the NTRIP server and NTRIP clients.

NTRIP server base – sends GNSS data to an NTRIP caster for reference station installations or integration into a RTK network.

NTRIP client rover – accesses GNSS data from the NTRIP caster for RTK positioning using single reference stations or RTK networks.

BENEFITS AND FEATURES

+ **Remote access to receivers**
+ **Ethernet connection speeds up to 100 Mbs**
+ **Easy Ethernet configuration**
+ **NTRIP client for easy access to reference stations or network RTK corrections**
+ **NTRIP server for quick integration into GNSS infrastructure**
+ **Compatible with NTRIP v1.0 and v2.0**

If you require more information about Firmware, visit www.novatel.com/products/firmware-options

For the most recent details of this product visit www.novatel.com/products/firmware-options/ntrip/

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