

**NetRS Receiver Reference Station
Information Technology Requirements**

Receiver Site

NetRS Receiver

Linux-based network appliance
Static IP address

Default network services

Web interface for device configuration

Trimcom (TCP port 5018)

Trimcomm protocol (Trimble proprietary)
Used by GPSBase and GPSNet software
One client connection allowed per NetRS

RT17 (TCP port 5017)

Formatted GPS data stream
Not required

Firewall

Must be configured to accept and forward a connection on
TCP port 5018 from Seiler hosted GPSNet software to the
NetRS device.

Seiler IP addresses:

Primary 64.123.250.18

Secondary 65.68.128.237

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Seiler Instrument Company

GPSNet Software

Trimble software processes GPS data from many GPS receivers simultaneously and in real-time.

GPS data can be made available in a variety of formats:

- RINEX files (<http://downloads.seilerinst.com/cors>)
- Real-time corrections (via Internet)

Real-time GPS Corrections

Users receive real-time correction streams by connecting to the GPSNet software at a Seiler Instrument Company IP address over the Internet.

GPSNet handles all user connections and data streaming functions.

- connections are not delegated or forwarded to the data providers (source receivers)
- the receiver and its host network is completely insulated from end users