

A small Selection of Meinberg Products



GPSI67/TGP
GPS satellite receiver with onboard oscillator, LC display and control elements in desktop housing



PZF511
DCF77 Receiver with PZF technology (PRN correlation receiver) and onboard oscillator



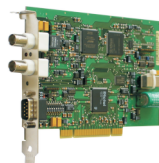
GPSI63/DHS
GPS satellite receiver for DIN rail installation, with DC power supply and IRIG out



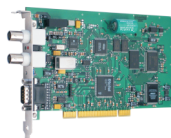
LANTIME/GPS
NTP Time Server with integrated GPS receiver and onboard oscillator, 1U rack mount (19")



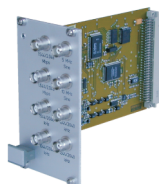
GPSI61
Board-level GPS satellite receiver for integration in OEM products or individual solutions



TCRI67PCI
IRIG Time Code Reader with IRIG in and IRIG out, for 3.3V or 5V PCI slots. Drivers for popular operating systems included



GPSI69PCI
GPS satellite receiver in PCI form factor for PCI and PCI-X slots (5V/3.3V), IRIG-B output and drivers for all popular operating systems



LIU
Expansion Module for GPSI67, provides E1/T1 frequency outputs (framed and unframed)



Dual GPSI67
Redundant GPS system with 2x GPSI67, 2x Power Supply and automatic switchover card



LAN-XPT
Expansion Module for GPSI67, allows remote configuration and monitoring of the GPS receiver (TCP/IP)



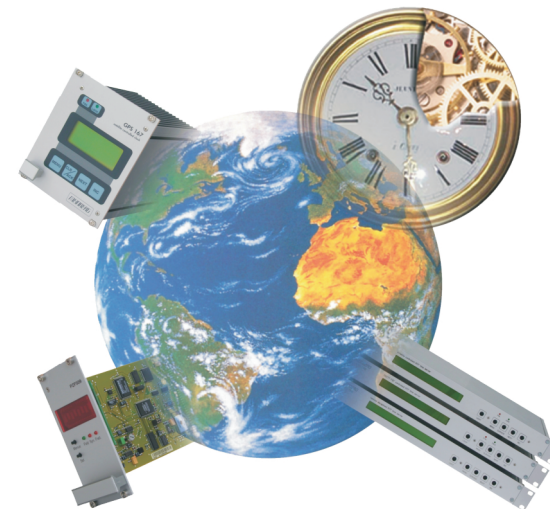
LANTIME/TCR/AHS
NTP Time Server with IRIG Time Code Reader in compact housing for DIN rail mounting



LANTIME/SHS/BGT
NTP Time Server with GPS and PZF receiver. Manipulation protection by comparison of GPS and DCF77 time



Accurate Time Worldwide



- **GPS, DCF77 and IRIG Solutions for Time and Frequency Applications**
- **NTP Network Time Servers**
- **Individually Designed Systems**

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Satellite Receivers



A highly optimized proprietary receiver technology is a key factor for the success of Meinberg's GPS-based Time and Frequency Solutions. These products are installed in nearly every region of the world and they are used to provide reference frequencies used in telecommunication and broadcasting systems, military and scientific applications as well as global corporate computer networks.

The Meinberg GPS Antenna Technology allows to install the antenna up to 300 meters away from the receiver without the need of any amplifier or expensive cable (RG 58 cable is recommended). Using a low-loss cable like RG 213 allows distances up to 600 meters, with the new and innovative Meinberg GOAL (GPS Optical Antenna Link) the fiber-optic connection between antenna and receiver can be up to 1000 meters long.



PZF/DCF77 Receivers

The German National Time Authority's long wave radio signal DCF77 can be received all over Central Europe. With its PZF technology Meinberg is the first vendor to provide a family of DCF77 receivers using the pseudo-random phase noise modulation. The PZF receivers offer an unmatched accuracy by applying correlation algorithms known from satellite receivers.

Network Time Servers



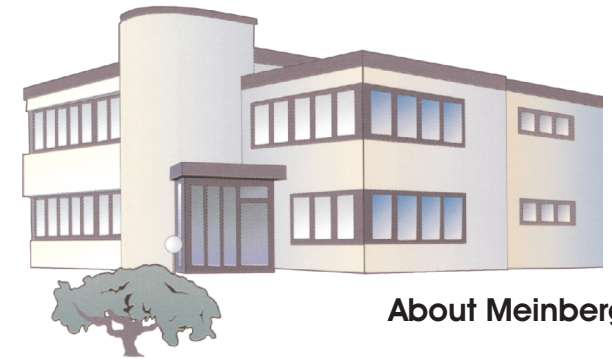
More and more people recognize the mission-critical requirement to provide time synchronization for computer networks. The Meinberg LANTIME family of NTP Time Servers combines rock-solid reliability and security with numerous features and a powerful user interface that makes it easy to configure, manage and monitor this critical component of a network infrastructure.

LANTIME time servers are deployed in all types and sizes of networks, including small research laboratories, control networks in power plants, radar station networks of civil and military air traffic control authorities and in numerous computer centers of Internet service providers and financial institutions.

Customized Solutions



A large number of options allows the end user to combine different output options like 10Mhz, 1 PPS, IRIG or serial time strings with power supplies and housing types that match their individual requirements. For different accuracy and stability needs several oscillator options are offered for a number of products: TCXOs, OCXOs and Rubidiums can be selected



About Meinberg

The Meinberg company has been founded in 1979 by the brothers Werner and Günter Meinberg. Today Meinberg is a modern industrial company with more than 40 employees deeply involved in development and manufacturing of electronic devices and systems for time and frequency synchronization applications.

Meinberg offers a broad product range: DCF77 radio clocks, GPS receivers, IRIG cards and associated accessories. These components and modules are the basic elements which are installed in our standard devices, but they are also used in individually designed systems fulfilling customer specific requirements. The well-known LANTIME NTP time servers are an example of the innovative product management which is consequently oriented towards the fast-growing market of synchronization technology.

All Meinberg products are developed and manufactured in Bad Pyrmont, Northern Germany. The engineer's responsibility for a product begins with the initial concept of a device and carries on after the product entered series production stage. Specialized and skillfull workers carefully handle production, testing, and shipment of the devices.

Modern production and test equipment guarantees the permanent high quality level of our products.

Full customer satisfaction is our main goal and we are constantly working to improve our processes and designs to make sure that we keep on fulfilling the requirements of our customers, wherever they are.