



LEONTP NETWORKED TIME SERVER OVERVIEW

LeoNTP is a Stratum 1 time server with GPS synchronised clock source designed from the ground up with the sole purpose of providing a cost effective but highly accurate and extremely high performing networked time server. Extremely easy to setup and configurable with flexible power options it can provide accurate synchronised time for your LAN, WAN, CCTV, PLC, Telephone systems or anywhere accurate time is required.



Key Features

- True Stratum 1 NTP Compatible Time Server.
- Can serve tens of thousands of clients.
- Very cost effective
- Supports NTP/SNTP
- Front OLED Display for time display and configuration.

Network	10/100Mb RJ45 Autosensing IPV4 DHCP/Static IP
Time Protocols	NTP V2, V3, V4, SNTP V3, V4
NTP Requests/Sec	>100K (Wire speed) > 1million concurrent clients typical
GPS	72 Channel -167dBm Sensitivity Power for active antenna supplied via bias tee.
Timing Performance	
GPS Accuracy	30ns RMS, 60ns 99%
NTP Accuracy (Typical)	Cold start acquisition < 30s < 1µs
Power	USB / PoE (802.3af) 1W.
Mechanical Dimensions	80mm x 150mm x 25mm
BNC Output	PPS/1Mhz/10Mhz Accuracy 30ns RMS, 60ns 99%
Warranty	1 year return to base Advanced replacement and extended warranty available. Lifetime Firmware updates and support.
In the box	1 x LeoNTP Device 1 x GPS Puck antenna with 3 meter cable 1 x USB Cable 1 x 2 meter RJ45 Patch cable.
Options	BNC to MCX Cable External Timing antenna

Frequently Asked Questions

Q/ Is this unit based on Linux and NTP ?

A/ No the hardware and code running it are completely propriety and don't use any source code from Linux or NTP. This is done to ensure maximum performance with no overheads.

Q/ Can I configure it via HTTP/Telnet ?

A/ No. Running a web server on this device although entirely possible would reduce the performance of the unit. Therefore we took the decision to just do configuration via the front panel.

Q/ The performance figures look too good to be true at the price

A/ The performance figures are the result of a focused determination to get the best performance out of the hardware. By not using off the shelf hardware and software we have no overheads or compromises.

Q/ Can the unit be firmware updated?

A/ Yes via USB into a Windows PC or Server. Updates take about 5 seconds to apply.

Q/ Is the BNC output compatible with the Airspy

A/ Yes. Connect the unit to your Airspy via the optional BNC to MCX cable and power the Airspy on.

Q/ Can the unit display my local time ?

A/ Yes. Press the button on the clock screen and use the knob to select your time zone.