LBE-1200

LeoNTP Networked Time Server 1200

FEATURES

- Stratum 1 NTP Time Server
- Can Serve 100,000 Requests Per Second
- Powered by USB, PoE or Both
- Supports IPv4 and IPv6
- Sub-Microsecond Accuracy of Served Time
- Simple User Interface
- Long-life LCD Display
- Switchable 1 PPS/1MHz/10MHz Output
- Optional Rack Mount Shelf



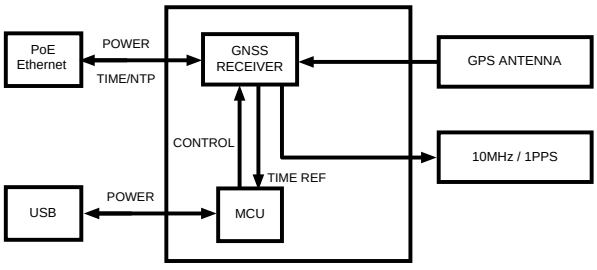
APPLICATIONS

- Small Business or Home LAN NTP Server
- CCTV Network
- Data Center
- Public WAN Time Serving
- NTP Pool Time Serving

DESCRIPTION

LeoNTP Time Server 1200 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 USB/PoE (802.3af) it can provide accurate synchronised time for your LAN, WAN, CCTV, PLC, Telephone systems or anywhere accurate standalone time is required.

BLOCK DIAGRAM



SPECIFICATIONS

POWER	
Connectors	USB A, RJ-45 (PoE Class 1)
Voltage (USB)	5V ±10%
Current (USB)	200mA ±10%
PoE Power	1W Maximum
NETWORK	
Connector	RJ-45
Protocols	10/100Mb RJ45 Autosensing IPv4 DHCP/Static IP IPv6 Off/SLAAC/Manual
Time Protocols	NTP V2, V3, V4, SNTP V3, V4
NTP Performance	>100,000 NTP replies/second (Wire speed)
NTP Accuracy	< 1µS
Holdover on loss of GPS signal	Typically 2ms in 24 hours
BNC OUTPUT	
Output Signal	1PPS, 1MHz or 10MHz
Amplitude	3.3V
ANTENNA PORT	
Connector	SMA Female
Voltage	3.3V ±5%
DIMENSIONS	
With Connectors	140x175x43mm
Weight (Main Device)	0.6kg
OPERATING CONDITIONS	
Temp Range	-20°C to 60°C (Non condensing)

Datasheet Version: V1.0 - Initial Version-29-07-2025