

GEO TIME 2511

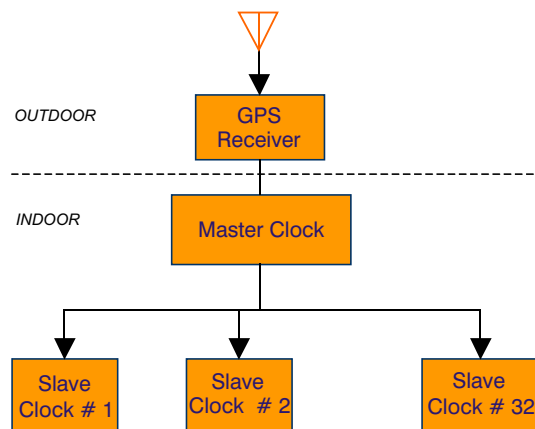
GPS Synchronized Clock



ASL GeoTime 2511 is a GPS based clock, designed to provide accurate time by synchronizing with the Navstar constellation of GPS satellites. GeoTime 2511 is configured both as a Stand alone time clock or as a Master clock which drives several time display Slave units in a network to display time information. The unit features an elegant design with wall mounting facility, and can also be customised to suit customer's requirements of size and shape.

Potential Application Areas of GeoTime 2511

- Control Rooms of Security Agencies
- Airports and Apron Control
- Air Traffic Control Tower
- TV Broadcasting Centers
- Radio Broadcasting Studios
- Hospitals operation theatre
- Large Corporate houses & Government office complexes
- Transport management
- Remote/Forward/untravelled areas
- Power Grids
- Railways
- Launch/Tracking/Test Ranges
- Industrial Plants



FEATURES

- Large bright LED time display (available in red/green/ yellow colour)
- 6 digit display format (hh:mm:ss)
- Built in Real Time Clock (RTC)
- GPS synchronized time display in IST
- NMEA string output on RS232 serial port
- Provision to connect upto 32 Slave clocks to a Master Clock through RS485 port
- Magnetic mount sealed GPS Antenna for outdoor installation
- Visual LED indication for GPS time synchronization and power ON/OFF status
- GPS time accuracy within 50 nanoseconds with respect to UTC time

Optional Features

- Backup Power Supply for 30mins

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SPECIFICATIONS

DISPLAY	
Clock Display	Seven segment LED module
Character Height	2" Standard; available in other sizes also
LED Colour	Red Standard, also available in green and yellow
Format	hh:mm:ss
Time Synchronization	From GPS receiver, once in an Hour
GPS RECEIVER	
Receiver	12 Channel, L1 frequency, C/A Code, tracks all satellites in view
Acquisition Time	< 20 seconds- hot start < 45 seconds cold Start
Timing Accuracy	within 50 nanoseconds with respect to UTC time
ANTENNA	
Type	Active Patch Antenna with built-in pre amplifier
Frequency	1.575 GHz
Polarization	Right hand circular
Cable (for external connection)	5 m long cable terminated with SMA connector
Mounting	Magnetic mount
ELECTRICAL AND ENVIRONMENTAL	
Input Power Supply	230 V AC \pm 10 %
Current	100 milli amperes
Data Transmission	RS 485/RS 232
Operating Temperature	0° C to 70° C
Storage Temperature	-20° C to 85° C
Humidity	95 % RH at + 40° C
MECHANICAL	
Enclosure	Non-metallic enclosure
Finish	Epoxy polyurethane paint in attractive shades
Dimensions	4.5 " (H) X 13" (L) X 5.5" (D) (for 2" char size)
Weight	< 2 kgs.

ASL Advanced Systems Private Limited (ASL) has been engaged in the design and development of Global Positioning System (GPS) receivers and GPS based applications. Established in 1992, ASL has successfully developed and supplied thousands of GPS receivers, and provided solutions using GPS technology in the areas of Automatic Vehicle Tracking, Mining, Timing, Mapping, Navigation (Land, Air, and Marine) etc. and also DGPS reference station for navigation and accurate positioning applications in Military and Civil sectors

Due to continuous product development ASL Advanced Systems reserves right to amend or alter specifications without notice.

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