

## NTS-6001-GPS

### Key Benefits

- Consistent and Reliable Timing
- Quick and User Friendly Set-Up
- At 27 Watts, Unit Stays Cool Maintaining Efficiency
- Upgrades through Flash Memory and Web Browser
- Space Saving Unit, 1U High and Rack Mounted



Contents

### Product Overview

#### What's Included:

1. NTS-6001-GPS Unit
2. Manual
3. Power Lead
4. NTP Software
5. Junction Box
6. IDC Cable Tool
7. GPS Mushroom Antenna with a 10m/8 Core Cable

Designed by synchronisation specialists, the Galleon NTS-6001-GPS meets the needs of medium to large multinational companies. Synchronising busy networks and offering simple navigation for the user, the 6001 network time server provides accurate readings with an efficient performance. By providing such cost effective solutions for network time, Galleon has developed an impressive customer base with organisations such as Ford, Vodafone and Buckingham Palace trusting us with their synchronisation.

Combining support from a GPS clock with an embedded Linux solid state computer for redundancy, the Galleon NTS-6001-GPS is easily installed and operated. Issued with lifetime technical support and offering enhanced security with the ability to peer connect with other NTP time servers. Galleon provides a comprehensive and easy solution for secure time networks.

#### Assurances:

6 Years Warranty  
GPS Antenna Sealed to IP65  
FCC and CE Certified



**MEGGITT**  
smart engineering for  
extreme environments

**Testimonial** – “We have been using a timer server clock for 10 years now, relying on this unit to keep our services and PC’s at the correct time. We are more than happy with the products and the support given by Galleon.” – Mark Powell

## NTS-6001-GPS

### Product Specification

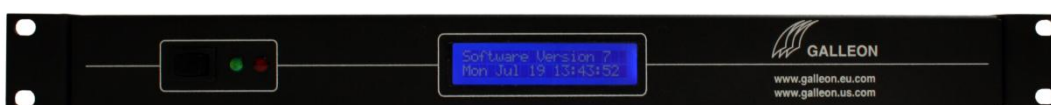
<b>NTS-6001-GPS</b>	
<b>Protocols - NTP &amp; SNTP</b>	<b>NTP v2 (RFC 1119) NTP v3 (RFC1305) NTP v4 (RFC 2131) SNTP v3 (RFC 1769) SNTP v4 (RFC 2030)</b>
<b>Configuration</b>	Across a Network via Secure Browser
<b>Configuring</b>	<b>https (RFC2616) Secure Shell (SSH)</b>
<b>Technical Standard</b>	NEMA 0183 V.2 Compliant
<b>SNMP</b>	<b>Simple Network Management Protocol (Can Be Switched OFF)</b>
<b>Network Interface</b>	<b>Standard 10/1000 Base-T, Dual RJ-45 Network Connections</b>
<b>MTBF Estimated</b>	<b>45,000 hrs</b>
<b>Display</b>	LCD with Backlight
<b>Operating System</b>	Linux Based
<b>Operating Temperatures</b>	0-50°C (32-122°F)
<b>Heat Dissipation</b>	150 BTU Per hour
<b>Humidity</b>	Max. 85% Non Condensing
<b>Mount</b>	Rack
<b>Function</b>	<b>Stratum 1 Time Server, Secure Shell (SSH) and HTTPS</b>
<b>Network Accuracy</b>	<b>Network: 1-10 Milliseconds, Typical GPS: &lt;1 Microseconds, Relative to UTC</b>
<b>Security</b>	<b>MD5 Authentication</b>
<b>NTP Time Requests</b>	<b>Up To 4700 Per Sec</b>
<b>Power Supply Universal</b>	85-260V, 47-63Hz
<b>Power Consumption</b>	27 Watts
<b>Dimensions (mm) Packed Unpacked</b>	Unpacked 1U: (H) 45 (W) 425 (D) 309 Packed Up: (H) 160 (W) 620 (D) 630
<b>Properties</b>	Powder Coated Steel
<b>Weight Packed Unpacked with Antenna</b>	7.6kg 4.8kg
<b>Source</b>	<b>Satellite</b>
<b>External</b>	<b>Active 12 Channel GPS</b>
<b>6 Years Warranty</b>	

### Description

The Galleon 6001 network time server synchronises network time and provides a reliable stratum 1 response with 282,000 time requests per minute. With easy plug-and-play installation and equipped with 2 Ethernet ports for network interfacing, the NTS-6001-GPS can also peer connect for advanced security.

The IP address can either be automatically configured by DHCP or a static IP address can be entered manually. The front panel is equipped with a backlit LCD screen and displays run-time information for the NTP subsystem.

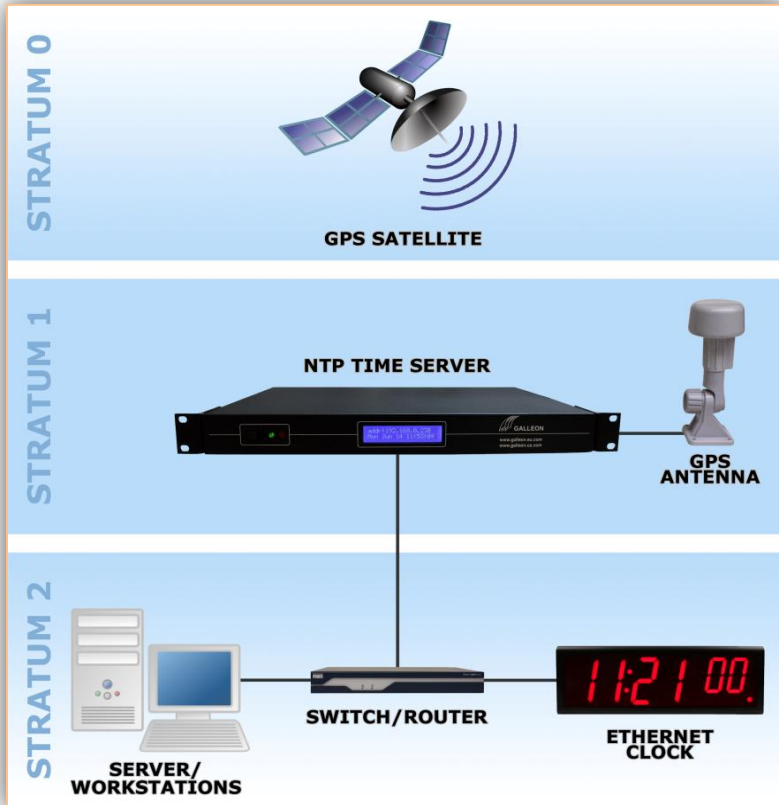
An active 12 channel GPS antenna is fitted externally and sealed to IP65, protecting against water and dust ingress.



Front View

## NTS-6001-GPS

### Basic Configuration



### GPS Antenna

Tracking up to 12 satellites at the same time, GPS offers an accurate signal capable of a reliable and consistent reading anywhere in the world. Used extensively for synchronising time from one location to another, GPS signals are received globally and maintain a high level of accuracy.

Functional up to 1000m (3,000 ft) away from the time server, additional cable length can be added to the supplied 10m to increase cable size to desired length. An extra power supply is recommended past the length of 550m to ensure the unit is running at optimum efficiency.



**Testimonial** - "We purchased our Galleon server over 5 years ago now. It was easy to install, has been reliable, requires zero maintenance and above all it's accurate."

Precise times are paramount in the transport industry, time literally is money. Galleon's product fits the bill perfectly." – Stuart Hands

### Optional Extras

- Lightning Arrestor
- Gold and Premium Support
- Digital Wall Clock - Ethernet Powered
- Secondary MSF Time Source Available
- Antenna Cable - Available from 100 to 1,000 metre rolls
- Additional Power Supply - Recommended from 550 metres onwards
- TimeSync SNTP Client Software - User Licenses available from 5 to 300+
- TimeSync NTP Uni-Cast Software - User Licenses available from 5 to 300+

"NTP Server & GPS Time Specialists"



Rear View