

NTS-4000-GPS-R

Key Benefits

- Consistent and Reliable Timing
- Quick and User Friendly Set-Up
- At 8 Watts, Unit Stays Cool Maintaining Efficiency
- Compact Unit, 1U High and Rack Mounted
- Quick and Easy Readings from Backlit LCD Display



Contents

Product Overview

As professionals in the market, Galleon understand the unique needs of small to medium sized multinational companies and have developed the flexible and accurate NTS-4000-GPS-R. Designed for a 19" rack but with a depth of 164mm, the Galleon time server is an efficient space saving unit that can synchronise thousands of clients. By providing such cost effective solutions for network time, Galleon has developed an impressive customer base with organisations such as The Ministry of Defence, Vodafone and Ford trusting us with their synchronisation.

Combining support from a GPS clock with an embedded Linux solid state computer for redundancy, the Galleon NTS-4000-GPS-R is easily installed and operated. Issued with lifetime technical support and an efficient space saving design, Galleon provides a comprehensive and easy solution for secure time networks.



Testimonial - "We bought our Galleon server around February 1998 and it has been running successfully nonstop since it was set up. We use it as an NTP Master Clock, which all our other units synchronise with" - Peter Michael

What's Included:

1. NTS-4000-GPS-R Unit
2. Manual
3. Power Cable
4. NTP Software
5. Junction Box
6. IDC Cable Tool
7. GPS Mushroom Antenna with a 10m/8 Core Cable

Assurances:

6 Years Warranty

GPS Antenna Sealed to IP65

FCC and CE Certified



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NTS-4000-GPS -R

Product Specification

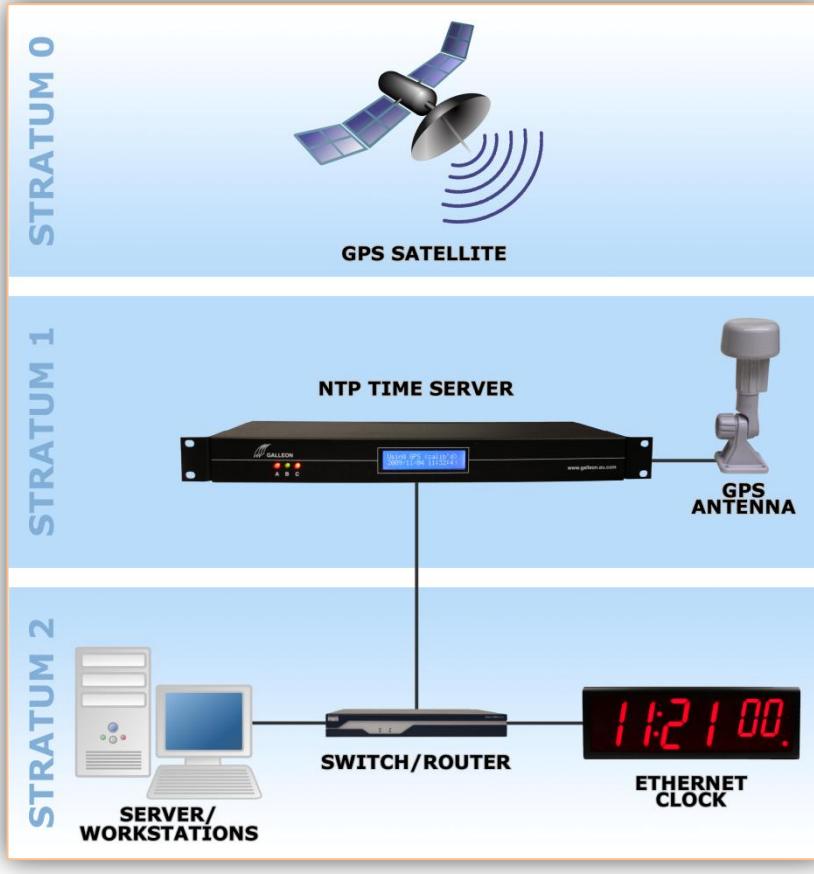
NTS-4000-GPS-R		Description
Protocols - NTP & SNTP	NTP v2 (RFC 1119) NTP v3 (RFC1305) NTP v4 (RFC 2131) SNTP v3 (RFC 1769) SNTP v4 (RFC 2030)	The Galleon 4000 network time server synchronises time and provides a reliable stratum 1 response with 3,000 time requests per minute.
Configuration	NTP Software	
Technical Standard	NEMA 0183 V.2 Compliant	
Network Interface	Standard 10/100 Base-T, RJ-45 Network Connection	
MTBF Estimated	45,000 hrs	
Display	LCD with Backlight	The IP address can either be automatically configured by DHCP or a static IP address can be entered manually.
Operating System	Proprietary OS (PIC Chip)	
Operating Temperatures	0-50°C (32-122°F)	Displaying necessary run-time information for the NTP subsystem on a backlit screen, the unit also supports NTP software and acts as a secure shell.
Heat Dissipation	80 BTU Per Hour	
Humidity	Max. 85% Non Condensing	
Mount	Rack	
Function	Stratum 1 Time Server and Secure Shell (SSH)	
Network Accuracy	Network: +/- 5 Milliseconds, Typical GPS: <1 Microseconds, Relative to UTC	
NTP Time Requests	Up To 57 Per Sec	
Power Supply Universal	85-260V, 47-63Hz	
Power Consumption	8 Watts	
Dimensions (mm) Packed	Unpacked 1U: (H) 45 (W) 423 (D) 163	
Unpacked	Packed: (H)160 (W) 620 (D) 510	
Properties	Powder Coated Steel	
Weight Packed/Unpacked	4.2 Kg/2.4kg with Antenna	
Source	Satellite	
External	Active 12 Channel GPS	Whilst an active 12 channel GPS antenna is fitted externally and sealed to IP65, protecting against water and dust ingress.
6 Years Warranty		



Front View

NTS-4000-GPS-R

Basic Configuration



Optional Extras

- Lightening Arrestor
- Gold and Premium Service
- Digital Wall Clock - Ethernet Powered
- 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 plus
- TimeSync NTP Uni-Cast Software - User Licenses available from 5 to 300 plus

“NTP Server & GPS Time Specialists”



Rear View