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**Data Sheet**

August 13, 2026

GALLEON

# Galleon NTS-4000-GPS-R Stand Alone NTP Time Server

The Galleon NTS-4000-GPS-R is a standalone NTP time server that synchronizes computers and network devices to a highly accurate and reliable time source using GPS. It provides precise time synchronization for networks, ensuring compliance and efficiency.



MODEL

**Galleon NTS-4000-GPS-R**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**NTS-4000-GPS-R**

LISTING

<https://aumictechlabs.com/products/nts-4000-gps-r-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Galleon NTS-4000-GPS-R is a Stratum 1 standalone NTP time server that delivers primary reference timing via GPS to TCP/IP networks. The unit combines a 12-channel active GPS antenna with a dedicated solid-state computer running a proprietary secure operating system, synchronizing network time to better than 1 microsecond relative to UTC. It occupies a single 19-inch rack unit (1U) and connects via standard 10/100 MBit Ethernet, handling over 3,000 NTP requests per minute for small to medium-sized deployments. Technical Specifications Time Reference: GPS (Global Positioning System) receiver, 12-channel satellite tracking Stratum Level: Stratum 1 Timing Accuracy: 3,000 requests per minute Protocol Support: NTP v2 (RFC 1119), v3 (RFC 1305), v4 (RFC 2131); SNTP v3 (RFC 1769), v4 (RFC 2030) Power Consumption: 8 W Input Power: 85–260 V AC, 47–63 Hz Network Interface: Single RJ-45, 10/100 MBit GPS Antenna:

Standard cable length up to 10 m; extension kit available to 1,000 m Dimensions: 45 mm H × 423 mm W × 163 mm D Display: LC display, 2 × 20 characters with backlight Operating Temperature: 0–50 °C Operating Humidity: Maximum 85% (non-condensing) Antenna Rating: IP65 Key Features Front-panel LC display showing time and satellite lock status Network-based configuration via Windows utility; supports DHCP or static IP Proprietary secure operating system for isolation and reliability Compact 1U rackmount form factor Low power draw (8 W) suitable for continuous operation GPS antenna extensible to 1 km with optional kit Typical Applications Network time synchronization for enterprise LANs Financial transaction timestamping Telecom and broadcast timing distribution Laboratory and test environments requiring UTC reference Compatibility & Integration Connects to standard TCP/IP networks via single Ethernet port. Implements full RFC compliance for NTP and SNTP, ensuring interoperability with industry-standard client implementations. Configuration through Windows-based management utility.

## Features & description

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From manufacturer datasheet

### Features

- True Stratum 1 GPS NTP time server

## NTS4000GPSR Characteristics / Specifications

| PARAMETER                 | VALUE                                                |
|---------------------------|------------------------------------------------------|
| Model                     | NTS-4000-GPS-R / NTS-4000-R-GPS                      |
| Manufacturer              | Galleon Systems                                      |
| Instrument Type           | GPS-disciplined Stratum 1 NTP time server            |
| Form Factor               | Standard 19 inch rackmount, 1U                       |
| Stratum                   | Stratum 1 GPS                                        |
| Receiver                  | Active 12-channel GPS antenna                        |
| GPS Timing Accuracy       | typical less than 1 us relative to UTC               |
| Network Timing Accuracy   | typical +/- 12 ms                                    |
| NTP Request Capacity      | greater than 3000 requests per minute                |
| Supported Networks        | single network class                                 |
| Protocols NTP             | v2 (RFC 1119), v3 (RFC 1305), v4                     |
| Protocols SNTP            | v3 (RFC 1769), v4 (RFC 2030)                         |
| Network Interface         | single RJ-45, 10/100 Mbit                            |
| Display                   | LCD 2 × 20 characters with backlight                 |
| Operating System          | proprietary solid-state                              |
| Memory                    | solid-state flash                                    |
| Power Supply              | 85-260 V, 47-63 Hz                                   |
| Power Consumption         | 8 W                                                  |
| Dimensions HxWxD          | 45 × 423 × 163 mm                                    |
| Operating Temperature     | 0 to 50 C                                            |
| Operating Humidity        | max 85%                                              |
| Antenna Rating            | IP65 weatherproof outdoor class                      |
| Standard Antenna Cable    | about 10 m included class                            |
| Antenna Distance Standard | up to about 200 m                                    |
| Antenna Distance Extended | up to about 1000 m with extension kit / remote power |

| PARAMETER             | VALUE                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight Unpacked Class | about 2.4 kg (family rackmount) Notes Specs from Galleon NTS-4000-R-GPS product documentation. Confirm GPS-R vs radio (MSF/DCF/WWVB) antenna option, firmware, and antenna cable length on the shipped unit. |
| Humidity              | max 85%                                                                                                                                                                                                      |

# General Specifications & Supplementary Characteristics

| PARAMETER                 | VALUE                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature     | 0 to 50 C                                                                                                                                                                                                    |
| Operating Temperature     | 0 to 50 C                                                                                                                                                                                                    |
| Humidity                  | max 85%                                                                                                                                                                                                      |
| Operating Humidity        | max 85%                                                                                                                                                                                                      |
| Antenna Rating            | IP65 weatherproof outdoor class                                                                                                                                                                              |
| Standard Antenna Cable    | about 10 m included class                                                                                                                                                                                    |
| Antenna Distance Standard | up to about 200 m                                                                                                                                                                                            |
| Antenna Distance Extended | up to about 1000 m with extension kit / remote power                                                                                                                                                         |
| Weight Unpacked Class     | about 2.4 kg (family rackmount) Notes Specs from Galleon NTS-4000-R-GPS product documentation. Confirm GPS-R vs radio (MSF/DCF/WWVB) antenna option, firmware, and antenna cable length on the shipped unit. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications          |                                           |
|-------------------------|-------------------------------------------|
| Specifications          |                                           |
| PARAMETER               | VALUE                                     |
| Model                   | NTS-4000-GPS-R / NTS-4000-R-GPS           |
| Manufacturer            | Galleon Systems                           |
| Instrument Type         | GPS-disciplined Stratum 1 NTP time server |
| Specifications          |                                           |
| PARAMETER               | VALUE                                     |
| Form Factor             | Standard 19 inch rackmount, 1U            |
| Stratum                 | Stratum 1 GPS                             |
| Receiver                | Active 12-channel GPS antenna             |
| Specifications          |                                           |
| PARAMETER               | VALUE                                     |
| GPS Timing Accuracy     | typical less than 1 us relative to UTC    |
| Network Timing Accuracy | typical +/- 12 ms                         |
| NTP Request Capacity    | greater than 3000 requests per minute     |
| Specifications          |                                           |
| PARAMETER               | VALUE                                     |
| Supported Networks      | single network class                      |
| Protocols NTP           | v2 (RFC 1119), v3 (RFC 1305), v4          |
| Protocols SNTP          | v3 (RFC 1769), v4 (RFC 2030)              |
| Specifications          |                                           |
| PARAMETER               | VALUE                                     |
| Network Interface       | single RJ-45, 10/100 Mbit                 |
| Display                 | LCD 2 x 20 characters with backlight      |
| Operating System        | proprietary solid-state                   |

### Specifications

| PARAMETER         | VALUE              |
|-------------------|--------------------|
| Memory            | solid-state flash  |
| Power Supply      | 85-260 V, 47-63 Hz |
| Power Consumption | 8 W                |

### Specifications

| PARAMETER             | VALUE             |
|-----------------------|-------------------|
| Dimensions HxWxD      | 45 x 423 x 163 mm |
| Operating Temperature | 0 to 50 C         |
| Operating Humidity    | max 85%           |

### Specifications

| PARAMETER                 | VALUE                           |
|---------------------------|---------------------------------|
| Antenna Rating            | IP65 weatherproof outdoor class |
| Standard Antenna Cable    | about 10 m included class       |
| Antenna Distance Standard | up to about 200 m               |

Antenna Distance Extended: up to about 1000 m with extension kit / remote power

Weight Unpacked Class: about 2.4 kg (family rackmount)

#### Notes

Specs from Galleon NTS-4000-R-GPS product documentation. Confirm GPS-R vs radio (MSF/DCF/WWVB) antenna option, firmware, and antenna cable length on the shipped unit.



### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.