

NTS-7000

Network Time Synchronization & document time stamping



- Time Server NTP/SNTP
- TSP Time Stamping*

- HYDROGEN maser


- PLL/FLL technology
- 1PPS in/out
- 10MHz out
- IRIG-B in/out
- RS232/USB interface
- IBM SYSPLEX in/out*

- max. 10,000 clients
- 2xLAN (IPv6*)
- SNMP MIB2 agent
- RADIUS client*
- MD5, RSA, DSA, SSL security
- NTP authentication

- remote configuration:
HTTP, HTTPS, TELNET, SSH

- Microsoft® Windows® compatible
MAC®, CISCO®, UNIX® ready

 ELPROMA



NTS-7000 delivers time directly to LAN network using NTP protocol. It is equipped with two independent Ethernet ports working with TCP/IP protocol (IPv4, IPv6). Built-in Active Hydrogen Masser guarantee correct time keeping up 10 years work when GPS antenna is missing. A true novelty is an option to create cascade NTS servers where one can simulate an antenna for the other. This functionality enables time synchronization of secured LANs with official time NTP servers available publicly online in Internet and the development of secured LAN systems for remote time auditing and control. NTS-7000 synchronizes time monotonously (jump-free) and can simultaneously serve up to 10,000 NTP/SNTP customers.

Redundant Input Synchronization Sources:

Active Hydrogen Masser locked on 1PPS

Redundant Output Synchronization Sources:

2x Antenna (GPS) NMEA emulation, 1PPS, 10MHz, IRIG-B, IBM Sysplex

Supported OS (NTP/SNTP Clients):

all UNIX systems including: IBM® AIX®, HP/UX®, Linux®, Free BSD®, CISCO® routers, Novell® Netware® (incl. version 3, 4, 5, 6), Microsoft Windows 95/98/Me/NT/2k/XP/Vista (both Server and Workstation versions)

Remote configuration:

ntpq/ntpd, SNMP (v2, v3*) Enterprise MIB 2, RADIUS
HTTP, HTTPS, SSH, TELNET

Time Protocol supported::

NTP (RFC 1305), SNTP (RFC 2030), TSP (RFC 3161), IBM SYSPLEX

I/O:

2x LAN Ethernet 10/100 (RJ45), 1x RS232C*, 1PPS (BNC),
IRIG-B (BNC), IBM Mainframe SYSPLEX (via RS232C/DSUB9)

Mechanical/environmental:

Size: 484 x 300 x 177,6 mm
Power: 110/230 VAC (max 3A)
Operating temperature: 0° C to +50° C
Storage temperature: -40° C to +85° C
Humidity: up to 95%

IBM® AIX, AS/400®, iSeries® is a trademark of International Business Machines Corp.

CISCO® is a trademark of Cisco Systems Inc.

Microsoft® Windows® 98/Me/XP/2K/Server 2003 is a trademark of Microsoft Corp.

HP UX® is a trademark of Hewlett Packard

SUN® Solaris® is a trademark of Sun Microsystems Inc.

UNIX® is a trademark of The Open Group

LINUX® is a trademark of LMI (Linux Mark Institute)

Free BSD® is a trademark of The FreeBSD Foundation

Novell® NetWare® is a trademark of Novell Inc.

Poland

Elproma Elektronika Sp. z o.o.
ul. Szymanowskiego 13
05-092 Lomianki k/Warszawy
tel +48 22 7517680
fax +48 22 7517681
office@elproma.com.pl

The Netherlands

Elproma Electronics B.V
Nijendal 42
3972KC Driebergen
Phone +31 343 518724
Fax +31 343 512286
info@elproma.nl

Belgium

Elproma Electronics BVBA
Lenniksebaan 81
1701 Itterbeek
Phone +32 2 4604759
Fax +32 2 4522467
sales@elproma-electronics.be

© 2001-2007 All rights reserved.

www.ntp-servers.eu

* extra feature requiring additional hardware