



# LEDI® NETWORK TDS

High accuracy time server  
Delivering multiple time codes  
NTP / AFNOR - IRIG B / Impulse  
DCF24v



## Internal Time Base

LEDI® NETWORK Time Distribution Server (TDS) is equipped with internal time base allowing accurate timekeeping in case of loss of synchronization.

### • TCXO

Frequency stability:  $2.10^{-8}$  (0°C to 55°C)

Ageing:  $1,5.10^{-9}$  / day

## Security

- **Backup of configuration setting** in flash memory
- **Supervision via SNMP V3** or supervision software GT Supervision
- **Remote configuration** via secured web page
- Configuration setting command prompt via **SSH**
- Firmware update via FTP or SCP
- **Compatible IP v4/v6** (compatible DHCP v4/v6)
- Configuration on Web interface via HTTP et HTTP(s)
- Supporting **NTPv4**
- Network communication ports can be disabled

## Specifications

<b>Power supply</b>	110-250VAC – 50/60Hz type IEC 60320 defined C14
<b>Power Cable</b>	IEC 60320 defined C13 / MALE SCHUKO 2 (EUROPE) & (Type E)*
<b>Certifications</b>	CE, EN 62368 (Safety), EN 55032 (EMC transmission), EN 55034 (EMC immunity), ROHS
<b>Maximal Consumption</b>	20 VA
<b>IP</b>	31
<b>MTBF</b>	120 000 h
<b>MTTR</b>	Mother board: 10 min Display board: 5 min Output board: 5 min
<b>Weight</b>	2,3 Kg (standard configuration)
<b>Dimensions</b>	Rack 19" 1U 482x44x266 mm (LxHxD)
<b>Display</b>	4 x 20 characters blue LCD screen backlight 3 LED Indicators: power / sync / alarm
<b>Operating Temperature</b>	-20° to 50°C
<b>Storage temperature</b>	-20° à 70°C

\*For other types of power cables, refer to the power cable reference table

## Key features

- **Plug and Play**
- **1 NTP server output included in the default configuration**
- **Multiple synchronization outputs of different types of time codes**
- **Alarm management via SNMP TRAP (V1, V2C and V3)**
- **Time base and algorithm to ensure output accuracy**

## Configuration

- Remote Configuration and time setting via embedded web interface
- Automatic selection of time zone and daylight saving time
- IP Configuration by front panel keyboard
- Configuration file can be retrieved and uploaded via secured web interface.

## Synchronization inputs

- **First synchronization input:**  
- GPS or DCF
- **Second Input**  
- NTP Ethernet 10/100 base T

## Synchronization outputs

- AFNOR NFS 87500/IRIG B
- NTP (V2, V3, V4): Unicast, Multicast, Broadcast
- Minutes 24V Pulse // or DCF24V



VERSION	ITEM CODE
<b>(1) LEDI® NETWORK TDS NTP or GPS</b>	<b>94000057-V1</b>
GPS Antenna (converter unit) with 25m cable	<b>3G25-V3</b>
GPS Antenna (converter unit) with 50m cable	<b>3G50-V3</b>
GPS Antenna (converter unit) with 100m cable	<b>3G100-V3</b>
<b>(1) LEDI® NETWORK TDS NTP or DCF</b>	<b>94000058-V1</b>
DCF Antenna with 10m cable	<b>3D10</b>
DCF Antenna with 25m cable	<b>3D25</b>

(1) Antenna and cable to be ordered separately