LEDI® NETWORK TDS

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

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 1.10^{-6} (0°C to 60°C)
Ageing 2.10^{-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 IPv4/v6 (compatible DHCP v4/v6).
Configuration on Web interface via HTTP et HTTP(s).
Supporting **NTPv4.**
Network communication ports can be disabled.

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 built in web interface.
Automatic choice of time zone and daylight saving time.
IP Configuration by front panel keyboard.
Configuration file can be retrieved and uploaded via secured web interface.

Specifications

Power supply	230VAC/50-60Hz.
Certifications	CE, EN 60950 (safety), EN 55022 (EMC transmission), EN 55024 (EMC immunity), ROHS
Maximal Consumption	20 VA
IP	31
MTBF	120 000 h.
MTTR	Mother board: 10 min. Display board: 5 min. Output board: 5 min.
Weight	2,3 Kg (standard configuration)
Dimensions	Rack 19'' 1U 482x44x266 mm (LxHxD)
Display	4 x 20 characters blue LCD screen backlight 3 LED Indicators: power / sync / alarm
Operating Temperature	-20° to 50°C
Storage temperature	-20° to 70°C

Synchronization inputs

- **Synchronization** :
  - NTP Ethernet 10/100 base T
  - GPS or DCF

Synchronization outputs

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

Version	Item code	
LEDI® NETWORK TDS NTP or GPS	94000057	
LEDI® NETWORK TDS NTP or DCF	94000058	
GPS antenna converter unit with a 25m cable	3G25-V3	
GPS antenna converter unit with a 50m cable	3G50-V3	
DCF antenna with a 10m cable	3D10	
DCF antenna with a 25m cable	3D25	