Atlas Time Server

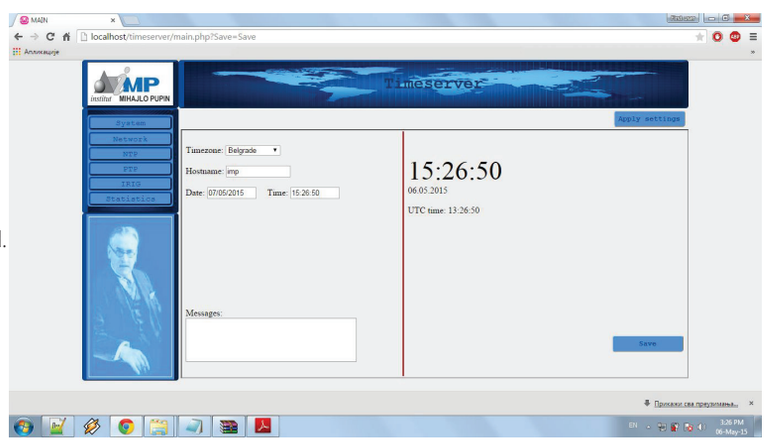
Actual Time Server

ATS – Atlas Time Server reads the actual time and further distributes the information. It also works as a protocol converter. Actual time is read in several ways:

- over satellite via GPS receiver,
- over a network via another device used as NTP or PTP actual time source, and
- over unmodulated IRIG/B signal at the port.

Supported protocols

- NTPv4 - server and client
- PTP (IEEE 1588) - master and slave
- IRIG-B (B002, B003, B006, B007) - generator and receiver

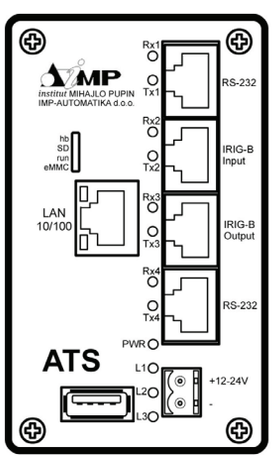


Technical characteristics

- 1x RS-232, 1x RS-232/485
- galvanically isolated ports
- 4GB of internal flash memory. Additional space via micro SD card.
- 1x 10/100 Mbps Ethernet port
- WEB based GUI for Configuration
- graphic display of synchronization accuracy with the source of choice
- power supply: 10-32 VDC
- energy consumption: 2.5 W

Design

- Aluminum case for DIN rail mounting



PORT 1
1.
2. RS-232 NMEA RX
3. RS-232 NMEA TX
4.
5. GND
6.
7.
8. PPS

PORT 2
1.
2. IRIG-B Input (RS232 ili TTL nivo)
3.
4.
5. GND
6.
7.
8.

PORT 3
1.
2.
3. IRIG-B Output (RS232 nivo)
4.
5. GND
6.
7.
8.

PORT 4
1.
2. RS-232 RX
3. RS-232 TX
4.
5. GND
6.
7.
8.

institute MIHAILO PUPIN
AUTOMATION & CONTROL SYSTEMS

"Mihajlo Pupin" Institute
Automation and Control Systems

15, Volgina st.
11060 Belgrade, Serbia

tel: +381 11 6771 017
fax: +381 11 6782 885

automatika@pupin.rs
info@pupin.rs