NTP 7000 Series Server (V3.5)

Features

- (S)NTP Server
  - Capable of distributing (S)NTP time data to all S/NTP compatible devices on the network capable of receiving (S)NTP time
- Available in Rack or Wall Mount designs
- LED display for a clear, accurate readout
- Automatic bi-annual Daylight Saving Time changes (if applicable)
- Capable of interfacing and providing time data to third-party clock systems
  - Supports 59 minute correction, 58 minute correction, National Time/ Rauland, Rauland Digital
  - Dukane Digital, input only
- Bias seconds output
  - Adjust the time plus or minus a few seconds or minutes to fit your application
- RS485 input and output for time correction and synchronization
- 12 or 24 Hour Mode
- Microprocessor based

Highlights

- Built-in web interface – Each master clock has a built-in web interface allowing the user to program, control, and monitor the master clock from any computer connected to the same LAN without the need for additional software
  - Settings include: network settings, NTP server selection, Email alerts, UTC/GMT offset selection, automatic Daylight Saving Time adjustments, and more!
- All versions of the clock receive accurate time from one of ten pre-programmed third party NTP servers (user changeable) for maximum reliability and redundancy. Alternatively, the master clock can be set to receive the time data from an in-house NTP server or via an optional GPS receiver.
- Email alerts for:
  - NTP Synchronization Timeouts
  - Power Resets
  - GPS Synchronization Timeouts (if applicable)
- Ten year battery backup for internal real-time clock timekeeping

Additional Optional Features

- GPS receiver

specification sheets may change without prior notice

Specifications

Housing:

Smooth surface metal case

Color:

Black

Mounting:

Wall Mount or Rack Mount

Display:

0.56" (1.42 cm) LED display

Calendar:

Built-in calendar with leap years

Housing Dimensions (LxWxD):

11.0" x 17.5" x 1.75"
(27.94 cm x 44.45 cm x 4.45 cm)

Weight:

6.5 lbs. (2.95 kg)

Time Base:

Crystal

Memory:

Non-volatile EERPROM

Temperature Range:

Operating: 32°F - 113°F (0°C - 45°C)

Shelf: 5°F - 167°F (-15°C - 75°C)

Voltage Input:

85 VAC – 264 VAC, 50/60 Hz

Current Consumption:

0.2A at 120V and 0.1A at 230V

Power Consumption:

20 Watts

Inputs:

(S)NTP, RS485, 59 minute correction, 58 minute correction, National Time and Rauland, Rauland digital, Dukane digital, Once a Day Pulse, GPS (optional)

Outputs:

RS485, 59 minute correction, various 58 minute corrections, National Time and Rauland, Rauland Digital, Once a Day Pulse, Once an Hour Pulse, Once a Minute Pulse, (S)NTP

Includes:

1 – 6 foot (1.82 m) power cord

1 – Wall Mount Kit (Wall Mount only)

1 – 75 foot (22.86 m) GPS cable
(with GPS option; longer cables available)

1 – Dome Antenna (with GPS option)

Ethernet Speed:

10/100 Mbps Full Duplex

Ethernet Port:

RJ45

Compliance:

UL and cUL listed

Options – GPS

GPS Antenna:

Bullet shaped active antenna that mounts to ¾" conduit (please refer to Sapling's GPS Mounting Kit Spec Sheet)

Antenna Dimensions:

Diameter: 3.04" (7.72 cm)

Height: 2.94" (7.47 cm)

Ordering Information:

NTP 7000 Series Master Clock: NTP–7X0–0X00–1

Mounting: R: Rack S: Surface	GPS: 0: No GPS 1: GPS

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