

TIMEAPP 210

Network Time Server Master Clock And Display



DESCRIPTION

The TRANTEK *TIMEAPP 210* – Network Time Server Master Clock and Display combines a master clock, NTP network timeserver and a clock display in one unit. The TIMEAPP 210 will synchronise other TIMEAPP 200 network time appliance displays and computers and equipment running NTP client software.

The TIMEAPP 210 uses "indirect GPS" to calibrate its own precision internal clock. It uses the GPS time code relayed by the CDMA cellular phone base stations. This means that accurate time is available anywhere a CDMA phone signal is received. The unit has its own antenna and because it does not need a clear view of the sky, there is no expensive antenna to install.

The clock connects to an Ethernet network and acts as a Network Time Protocol (NTP) server. With a typical accuracy of 10 milliseconds to UTC time it can be used to synchronise computer networks.

APPLICATIONS

The *TIMEAPP 210* is ideally suited for applications where a NTP server is required to synchronise time on a number of networked computers and devices and a time display is required. The TAD 210 and all computers and clocks on the network are always accurate without the need for manual adjustment or correcting for daylight saving.

Applications include:

- ✓ Transport Terminals: eg. Train Stations, Bus Terminals, Ferry Wharves, Airports
- ✓ Building Complexes: eg Hospitals, Schools, Office Towers, Sporting Complexes, Shopping Centres
- ✓ Control Rooms: Transport System Control Rooms, Security Control rooms
- ✓ Work Areas: eg Factories, Workshops, Trading rooms
- ✓ Where accurate time is a legal requirement: Digital Video Recording time synchronisation

TIMEAPP 210 Master Clock Display and NTP Server

FEATURES

- ✓ Uses GPS time signal relayed by CDMA cellular phone network
- ✓ Small antenna does not require mounting outdoor or in clear view of the sky
- ✓ NTP Time Server. Will keep computers, DVRs, TIMEAPP 200 Clock Displays accurate
- ✓ Selectable time display formats, 24 hour, 12 hour, hh:mm, hh:mm:ss
- ✓ Selectable date formats, including dd/mm/yy, dd Mmm yy, mm/dd/yy
- ✓ Time zone setting
- ✓ Automatically daylight savings adjustment
- ✓ Synchronises NTP clients on LAN, WAN or Internet
- ✓ No on going or connection set-up costs since no calls are made
- ✓ Web page for easy configuration and diagnosis
- ✓ Variable LED intensity

SPECIFICATIONS

Digital Displays:

LEDs: Super bright, 120° viewing angle, 5x7 LED characters
Character Heights: 65mm
Colours: Red, Amber

Power Supply:

AC Mains powered. Shipped to suit local requirements. DC power options on application

Operating Environment

Temperatures: 0° to 55° Celsius
Humidity: 5% to 95% Non Condensing

Dimensions (WxHxD):

Enclosure: 532x161x102 mm
Character Size: 65x45 mm in 5x7 LED matrix, 5mm Dia LED

Communications:

10/100 BaseT Auto sensing Ethernet

Configuration:

Web Page for configuration over the network. Initial IP address setting via pushbutton.

Accuracy:

Typical 10 milliseconds from UTC time

CONTACT



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