

NTP SYNCHRONISED ETHERNET WALL CLOCKS

KEY FEATURES

Digital or analog, 4 or 6 digit displays

4-inch numerals, visible from 50m.

Power-over-Ethernet PoE (IEEE 802.af)

Set automatically by NTP/SNTP over Ethernet

10/100 BaseT Ethernet

12/24 hour display format

Configurable Time zone offset and daylight saving time

Simple installation reducing installation costs

BENEFITS

Accurate time information throughout organisation

World-wide operation

Ideal for trading rooms, time & attendance and access control

WARRANTY & SUPPORT



COMPLIANCE



PRODUCT OVERVIEW

Ethernet NTP Synchronised wall clocks provide an accurate time display synchronised to a traceable time source using NTP or SNTP over Ethernet.

The units are available with either analog or 4 or 6 digit digital displays. The analog and 6-digit devices display hours, minutes and seconds. The 4-digit unit displays hours and minutes only.

Operation

The clocks obtain accurate time from either a NTP or SNTP time server. This can be either a local time server, such as TimeTools SR Series. Alternatively, an Internet based time server or Windows server can be used for synchronisation of the clocks. They can maintain an accurate time to within 0.2 second, without user intervention.

Installation

For simplicity of installation, the units are Power-over-Ethernet (PoE) devices (IEEE 802.af), using the same network components as IP phones. The devices are powered over standard CAT5 cabling and require no mains spur where the devices are located. If your network is not PoE enabled, single or multi-port mid-span converters (power injectors) are available at very low-cost.

Benefits of Synchronised Time

Consistent and accurate time across an organisation keeps things running efficiently and smoothly.

In a corporate environment, time wasted on waiting for co-workers to arrive at a meeting or training session translates directly into lost productivity.

Synchronised time in manufacturing environments promotes schedule adherence, helping the entire team meet productivity goals.

In healthcare facilities, synchronized time is critical to daily operations, whether it's checking on patients or delivering medications.

Schools and universities rely on accurate timekeeping to smoothly transition students from one class to the next.



OPTIONAL ACCESSORIES



NTP Servers

TimeTools new SR Series NTP servers provides a complete range of Linux based true Stratum 1 NTP Network Time Servers that provide a real breakthrough in price and performance.

Housed in a rugged, yet compact, 1U high, rack-mountable enclosure, the SR series takes up minimal valuable rack-space.

By utilising a customized Linux kernel and an unmodified version of the latest network time protocol distribution, NTP version 4.2, the SR series offers true NTP / SNTP functionality.

Please refer to the SR Series datasheet for more information.



Single Port PoE Injector

Flexible, Reliable Inline Power for Power over Ethernet (PoE) Devices

The 3Com® Power over Ethernet Single-Port Midspan Solution can power an IEEE 802.3af compliant device, such as the Ethernet Wall Clocks, over standard Category 5 or 5e Ethernet cabling.

This 48-volt inline power source installs right in the switch closet, eliminating an exposed power supply and extra wiring at the workspace.

Installing Power over Ethernet helps save time and money because it's less vulnerable to damage or tampering than a local power supply.



Multi-Port PoE Injectors

Multi-port and rack-mountable Inline Power Injectors and switches for Power over Ethernet (PoE) are available on request. This allows multiple Ethernet Wall Clocks to be powered from a single unit.

Specification

4 / 6 DIGIT MODELS

- **Display Type** Red 4 or 6 digits, 7 segments
- **Numeral Height** 101.6 mm (4 in)
- **Viewing Distance** > 50m (150 ft)
- **Dimensions (4 digit)** 300x150x56mm (12x6x2.2 in)
- **Dimensions (6 digit)** 420x150x56mm (16.75x6x2.2 in)
- **Weight (4 digit)** 0.9 Kg (2 lbs)
- **Weight (6 digit)** 1.1 Kg (2.3 lbs)
- **Accuracy** 200ms typical
- **Operating Temperature** 0 – 40 C (32 – 104 F)
- **Relative Humidity** 95% non-condensing
- **Ethernet Connection** 10/100 BaseT
- **Network Protocol** NTP, SNTP, Telnet
- **Time-zones:** Configurable time-zone and daylight saving
- **Mounting Options** Surface, Back-to-back

ANALOG MODEL

- **Display Type** Analog – hours, minutes, seconds
- **Viewing Distance** > 30m (100 ft)
- **Dimensions** 337x50mm (13.5x2 in)
- **Weight** 0.9 Kg (2 lbs)
- **Accuracy** 500ms typical
- **Operating Temperature** 0 – 40 C (32 – 104 F)
- **Relative Humidity** 95% non-condensing
- **Ethernet Connection** 10/100 BaseT
- **Network Protocol** NTP, SNTP, Telnet
- **Time-zones:** Configurable time-zone and daylight saving
- **Mounting Options** Surface, Back-to-back

Product Codes

NTP Synchronised Ethernet Wall Clocks

Ethernet NTP Digital Wall Clock - 4 Digit, Black, Plastic
Ethernet NTP Digital Wall Clock - 4 Digit, Black, Aluminium
Ethernet NTP Digital Wall Clock - 6 Digit, Black Aluminium
Ethernet NTP Analog Wall Clock

T-ONT4BK-P
T-ONT4BK
T-ONT6BK
T-ONTA12BK

Scope of Supply: Ethernet Wall Clock, Product User Guide.
Additional Colours and Stainless Steel Enclosures Available on Request.

Optional PoE Injectors / Power Supplies / Mounting Kit

3COM Single Port PoE Injector
Multi-Port and Rack –Mountable PoE Injectors
4 Digit Clock Mounting Kit
6 Digit Clock Mounting Kit
Analog Clock Mounting Kit

3CNJPSE
P.O.A.
T-ONT4KIT
T-ONT6KIT
P.O.A.

TimeTools Limited has relied on representations made by its suppliers in certifying this product as RoHS compliant.

All specifications subject to change without notice.

Terms and conditions of sale available on request.